

# STIC Search Report

## EIC 2100

STIC Database Tracking Number: 102669

TO: Gwen Liang  
Location: 4B25  
Art Unit : 2172  
Tuesday, September 23, 2003

Case Serial Number: 09/550451

From: Geoffrey St. Leger  
Location: EIC 2100  
PK2-4B30  
Phone: 308-7800

geoffrey.stleger@uspto.gov

### Search Notes

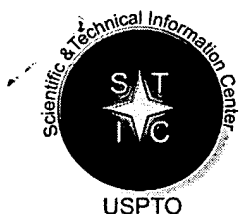
Dear Examiner Liang,

Attached please find the results of your search request for application 09/550451. I searched Dialog's foreign patent files, technical databases, product announcement files and general files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger  
4B30/308-7800



# STIC Search Results Feedback Form

**EIC 2100**

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

**Anne Hendrickson, EIC 2100 Team Leader**  
**308-7831, CPK2-4B40**

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 3730

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

**Comments:**

**Drop off or send completed forms to STIC/EIC2100 CPK2-4B40**



File 347:JAPIO Oct 1976-2003/May(Updated 030902)

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200360

(c) 2003 Thomson Derwent

Set	Items	Description
S1	60247	TREE OR TREES OR HIERARCH? OR (DIRECTORY OR FILE)()STRUCTU- RE? ? OR PARENT()CHILD? ?
S2	272660	PARENT? ? OR CHILD? ? OR CHILDREN? ? OR LEAF? ? OR LEAVES - OR NODE? ?
S3	14158	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT?) (5N) (REVERS? OR SWITCH? OR FLIP???? OR INVERT? OR SWAP???? OR TRANSPOS? OR REORDER? OR RE() (ORDE- R? OR ARRANG?) OR REARRANG? OR EXCHANG?)
S4	12436	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT?) (5N)CHANG???
S5	11	S1 AND S2 AND S3
S6	21	S1 AND S2 AND S4
S7	31	S5:S6
S8	86	S1 AND S3
S9	40	S8 AND IC=G06F
S10	32	S9 NOT S7
S11	2815	MASTER()SLAVE
S12	2	S11 AND S2 AND S3:S4
S13	1	S12 NOT S7
S14	21	S11 AND S3
S15	6	S14 AND IC=G06F
S16	38	S15 OR S10
S17	67	S3(5N)S2
S18	17	S17 AND IC=G06F
S19	284	CONSTRAINT? ?(5N) (REVERS? OR SWITCH? OR FLIP???? OR INVERT? OR SWAP???? OR TRANSPOS? OR REORDER? OR RE() (ORDER? OR ARRAN- G?) OR REARRANG? OR EXCHANG? OR CHANG???)
S20	4	S1 AND S2 AND S19
S21	10	S1 AND S19
S22	3	S19(5N)S2
S23	13	S20:S22
S24	12	S23 NOT (S7 OR S16 OR S18)

7/5/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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05888555 \*\*Image available\*\*

DATA PROCESSING SYSTEM

PUB. NO.: 10-171655 [JP 10171655 A]  
PUBLISHED: June 26, 1998 (19980626)  
INVENTOR(s): INOUE KAORU  
APPLICANT(s): MAX WORLD KK [000000] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 08-340451 [JP 96340451]  
FILED: December 06, 1996 (19961206)  
INTL CLASS: [6] G06F-009/44  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a data processing system where both old and new processes are satisfactorily performed by using the characteristic value that is owned by an object encountered while a coupling path is traced as the characteristic value that is owned by an object serving as a start point and tracing the coupling path.

SOLUTION: In a **tree** structure, a **leaf** object has no need of value ABD and is coupled to a **node** having value D which is coupled to a **node** having value B. The **node** having value B is coupled to a **node** having value A. Thus, the value of every **node** is decided by its coupling **node**. In other words, the cause and the effect have the **reversed relation** to the position **relation** of **nodes**. Thus, a means which designates a coupling destination is used when an object points another object by designating a pointer or an identifier. Then the characteristic value owned by an object which is countered while a coupling path is traced is used as the characteristic value owned by an object serving as a start point, and the coupling path is traced.

7/5/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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05524252 \*\*Image available\*\*

FILE MANAGEMENT METHOD

PUB. NO.: 09-139052 [JP 9139052 A]  
PUBLISHED: May 27, 1997 (19970527)  
INVENTOR(s): INOBUCHI TATSUYA  
UDAGAWA OSAMU  
KANEKO YASUYOSHI  
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 07-317472 [JP 95317472]  
FILED: November 10, 1995 (19951110)  
INTL CLASS: [6] G11B-027/00  
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment)

#### ABSTRACT

PROBLEM TO BE SOLVED: To lessen the rewriting of a B\* **Tree** which manages the relation between logical addresses and physical addresses in case of the presence of a **change** in this **relation**.

SOLUTION: The corresponding relation between the logical addresses and physical addresses of blocks in which file data are stored is managed by the B\* **Tree**. In addition, the corresponding relation between the logical addresses and physical addresses of the blocks stored in the respective **nodes** constituting the B\* **Tree** is managed by a **node** table. As a result, even if the rewriting of a part of the **nodes** constituting the B\* **Tree** occurs, rewriting of only the **node** relating to this rewriting and

the **node** table managing the same is enough as long as the divisions or separations do not arise in these **nodes** .

7/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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04979213 \*\*Image available\*\*  
INFORMATION PIGEONHOLING SYSTEM

*N/O reverse  
relationship.*

PUB. NO.: 07-271813 [JP 7271813 A]  
PUBLISHED: October 20, 1995 (19951020)  
INVENTOR(s): OGAKI TAKESHI  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-062472 [JP 9462472]  
FILED: March 31, 1994 (19940331)  
INTL CLASS: [6] G06F-017/30  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 42.5  
(ELECTRONICS -- Equipment)

#### ABSTRACT

PURPOSE: To easily recognize a multi-sorting state and to easily execute the maintenance of a sorting system by providing this information pigeonholing system with a means for mutually linking optional **nodes** in **hierarchical** structure and a means for detecting the existence of a link from a partial **hierarchical** structure formed under a **hierarchical** structure management system to the external.

CONSTITUTION: A **hierarchical** structure managing part 4 sets up, adds, **changes** , or deletes master-slave **relation** between **nodes** in **hierarchical** structure constituting a sorting system. A link relation managing part 5 sets up, adds, **changes** , or deletes **relation** between **nodes** in order to manage multi-sorting. In respect to multi-sorting management, the position of one document in the **hierarchical** management structure is defined and sorted by plural methods. System software is constituted so as to detect a part (closed link structure inspecting part 6) for inspecting closed link structure indicating documents linked with each other when a closed link exists in current **hierarchical** management structure and the existence of the closed link.

7/5/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

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04445290 \*\*Image available\*\*  
EVENT WAIT PROCESSING METHOD

PUB. NO.: 06-089190 [JP 6089190 A]  
PUBLISHED: March 29, 1994 (19940329)  
INVENTOR(s): KUMAGAI SACHIYO  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 04-239878 [JP 92239878]  
FILED: September 09, 1992 (19920909)  
INTL CLASS: [5] G06F-009/46  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: P, Section No. 1763, Vol. 18, No. 349, Pg. 166, June 30, 1994 (19940630)

#### ABSTRACT

PURPOSE: To provide the event wait processing method which practically removes restrictions from the number of semaphores which can be collectively designated with respect to the event wait processing of a computer.

CONSTITUTION: In the computer where the number of semaphores simultaneously

waiting for events is limited, **hierarchical** relations like a **tree** is provided, and required semaphores are allowed to correspond to **nodes** of terminals respectively, and the other semaphores are allowed to corresponds to **nodes** other than terminals. Event report is started from the pertinent semaphore corresponding to the terminal **node** (1), and semaphores of all higher-order **nodes** connected to this semaphore are set to the successive event occurrence report state (2 and 3). With respect to wait for events, the semaphore of the **node** in the highest **hierarchy** is designated to wait for the occurrence of an event (4); and when the occurrence of an event is **reported** (5), it is **switched** to the event occurrence wait which designates the semaphore of the just lower-order **node** connected to **nodes** of semaphores in the successive event occurrence report state (6 and 7), thus reaching the event occurrence wait which designates the semaphore of the terminal (8).

7/5/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01576968 \*\*Image available\*\*  
MULTILINGUAL ANALYZING DEVICE

PUB. NO.: 60-055468 [JP 60055468 A]  
PUBLISHED: March 30, 1985 (19850330)  
INVENTOR(s): UCHIDA YUJI  
MASUYAMA AKINARI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 58-162978 [JP 83162978]  
FILED: September 05, 1983 (19830905)  
INTL CLASS: [4] G06F-015/38  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.2  
(MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD:R106 (INFORMATION PROCESSING -- Kanji Information Processing)  
JOURNAL: Section: P, Section No. 377, Vol. 09, No. 186, Pg. 47, August  
02, 1985 (19850802)

#### ABSTRACT

PURPOSE: To take a multilingual analysis without altering an analyzing device nor meaning **relation** dictionary by **changing** a word dictionary and a grammar dictionary according to a difference in language.

CONSTITUTION: The multilanguage analyzing device has the grammar dictionary 4 for storing grammatical rules, word dictionary 7 for storing words, pieces of meaning information on the words, and pieces of grammatical attribute information on the words, meaning relation dictionary 6 for storing informtion having meaning relation specified corresponding to meaning information, word dictionary reference device 3, grammar reference device 1, and analyzing device 2. The analyzing device 2 while regarding two adjacent **nodes** in a **node** list as analytic windows corresponding to processes refers to the grammar dictionary 4 to generation, replace, and convert a new **node** as to the two **nodes** of the analytic windows and also perform other **node** list alteration processes according to a grammatical indication, and further refers to the meaning relation dictionary 6 to check the meaning relation between respective **nodes** , thereby generating and outputting an analytic **tree** .

7/5/11 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01501362 \*\*Image available\*\*  
MULTI-ELEMENT PROCESSOR

PUB. NO.: 59-212962 [JP 59212962 A]  
PUBLISHED: December 01, 1984 (19841201)

INVENTOR(s): FUJITA HIROSHI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 58-086962 [JP 8386962]  
FILED: May 18, 1983 (19830518)  
INTL CLASS: [3] G06F-009/44  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: P, Section No. 348, Vol. 09, No. 83, Pg. 87, April 12, 1985 (19850412)

#### ABSTRACT

PURPOSE: To attain the effective use of processing elements for a multi-element processor which actuates plural basic processing elements after connecting them in a **tree** structure, by using a circuit switch element which can optionally switch four signal lines by the control information.

CONSTITUTION: Basic processing elements 1a-1d contain **leaf** elements 2a-2d and **node** elements 3a-3d, and signals lines which connect these elements are connected via circuit switch elements 4. The element 4 can switch optionally the combination of four connected signal lines by the control information given from outside. As a result, the connecting **relation** of elements can be easily **changed** if a high order processing element has a fault. This attains the effective use of the processing element.

7/5/16 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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014050853 \*\*Image available\*\*  
WPI Acc No: 2001-535066/200159  
XRPX Acc No: N01-397237

**Directory tree reconfiguration for computer system, involves changing primary directory tree into secondary tree , based on selected object and accordingly object position is changed related to objects in other tree**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: MARTINEZ A E; RAHN M D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6271846	B1	20010807	US 98163919	A	19980930	200159 B

Priority Applications (No Type Date): US 98163919 A 19980930

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6271846	B1		17	G06F-003/00	

Abstract (Basic): US 6271846 B1

NOVELTY - A primary directory **tree** is displayed in user viewable display. When an object is selected from the primary directory, the primary **tree** is changed into a directory, based on user set locations, such that object lies within root **node** of new directory. The position of an object is modified corresponding to position of object in secondary directory.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computer program product.

USE - For computer system.

ADVANTAGE - Ensures optimum management and organization of objects within directory **tree** without need for changing actual organization structure.

DESCRIPTION OF DRAWING(S) - The figure shows the reanchor command given on a **node** of a **tree** .

pp; 17 DwgNo 5B/6

Title Terms: DIRECTORY; **TREE** ; RECONFIGURE; COMPUTER; SYSTEM; CHANGE; PRIMARY; DIRECTORY; **TREE** ; SECONDARY; **TREE** ; BASED; SELECT; OBJECT; ACCORD; OBJECT; POSITION; CHANGE; RELATED; OBJECT; **TREE**

Derwent Class: T01  
International Patent Class (Main): G06F-003/00  
File Segment: EPI

7/5/17 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013822830 \*\*Image available\*\*  
WPI Acc No: 2001-307042/200132  
XRPX Acc No: N01-219643

**Contextual information providing method for web pages displayed by browser of internet, involves maintaining parent - child hierarchical relationship by updating window list data structure**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: CRAGUN B J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6177936	B1	20010123	US 98137382	A	19980820	200132 B

Priority Applications (No Type Date): US 98137382 A 19980820

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6177936	B1	48	G06F-003/00	

Abstract (Basic): US 6177936 B1

NOVELTY - Web pages are displayed within windows in a **hierarchical** relationship. Web pages displayed in windows other than current window are updated to maintain **hierarchical relationship** when the user requests **change** to the current window. **Parent** page is determined for each page by clipping most narrow identifier in the page addresses.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Contextual information providing program;

(b) Computer system

USE - For web pages displayed by browser of internet.

ADVANTAGE - Since **hierarchical** relationship is maintained by browser, the user can locate ancestor pages of current web page, even when the current web page does not contain hyperlinks that point to the ancestor pages.

DESCRIPTION OF DRAWING(S) - The figure shows pictorial representation of contents of primary data structure.

pp; 48 DwgNo 9A/20

Title Terms: INFORMATION; METHOD; WEB; PAGE; DISPLAY; MAINTAIN; **PARENT** ; **CHILD** ; **HIERARCHY** ; RELATED; UPDATE; WINDOW; LIST; DATA; STRUCTURE

Derwent Class: T01

International Patent Class (Main): G06F-003/00

File Segment: EPI

7/5/20 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012588032 \*\*Image available\*\*  
WPI Acc No: 1999-394139/199933  
Related WPI Acc No: 2002-065642  
XRPX Acc No: N99-294559

**Source data records cross-tabulating method in computer system**

Patent Assignee: BRIO TECHNOLOGY INC (BRIO-N)

Inventor: EDHOLM K; EDHOLM Y H; GARTUNG D L; LEW K M; MCNALL K N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5915257	A	19990622	US 94320635	A	19941011	199933 B
			US 96772830	A	19961224	



Priority Applications (No Type Date): US 94320635 A 19941011; US 96772830 A 19961224

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5915257	A		94	G06F-017/30	Cont of application US 94320635

Abstract (Basic): US 5915257 A

NOVELTY - A different structured **report** is formed by **rearranging** one of the side table levels and top label levels to **change relationship** between **nodes** of **tree**-type data structure without reaccessing the source data records, and forming newly corresponding aggregate values for display within the report.

DETAILED DESCRIPTION - A **tree**-type data structure is formed from received source data records that include side label levels and top label levels with **nodes** and cells. The appropriate aggregate value of a fact supported by the **tree**-type data structure is stored in each cell, so that when additional data records are received, the corresponding values are added to the appropriate aggregate value. An initial cross-tab rectilinear display report is formed from the cells of **tree**-type data structure having top label levels on top of report, and side label levels on side of the report with corresponding aggregate values displayed within the report.

USE - For cross tabulation analysis and reporting of tabular styled data on 2D array in computer system e.g. personal computer.

ADVANTAGE - Pivots and restructures cross-tabulation report easily and efficiently without requiring access to source data. Accumulates incoming stream of data records into a data structure which may then be used to form and restructure cross-tabulation report without necessity of storing the stream into computer memory. A separate data structure can be constructed from original data structure by modifying or deleting labels of cross-tab report.

DESCRIPTION OF DRAWING(S) - The figure shows flowchart for cross-tab report formation from **tree**-structure.

pp; 94 DwgNo 15/15

Title Terms: SOURCE; DATA; RECORD; CROSS; TABULATING; METHOD; COMPUTER; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

7/5/21 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012162633 \*\*Image available\*\*

WPI Acc No: 1998-579545/199849

XRPX Acc No: N98-452286

**Electronic mail exchange progress hierarchy display method - involves displaying hierarchical -structure symbol diagram of exchange progress, and contents of appending file transmitted by communication end node on display unit**

Patent Assignee: HITACHI SOFTWARE ENG CO LTD (HISF )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10262076	A	19980929	JP 9764087	A	19970318	199849 B
JP 3356383	B2	20021216	JP 9764087	A	19970318	200302

Priority Applications (No Type Date): JP 9764087 A 19970318

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10262076	A		12	H04L-012/54	
JP 3356383	B2		13	H04L-012/58	Previous Publ. patent JP 10262076

Abstract (Basic): JP 10262076 A

The method involves producing the appending file describing the

information which **relates** to **exchange** progress, for the mail text transmitted by each member. The appending file is appended to the mail text, and then transmitted to the member of a transmission destination. After merging the appending file and the mail text received from another member, the mail exchange progress is analysed based on the identification symbol by mail and the information on the transmitting origin.

The **hierarchical** -structure symbol diagram of exchange progress is produced and then shown on a display unit. The selection designation operation of the communication end **node** in the displayed diagram is corresponded. The diagram and the contents of the appending file transmitted by the communication end **node** are shown on the display unit.

USE - For displaying progress of argument between members discussing identical theme using electronic mail.

ADVANTAGE - Mail exchange progress can be understood exactly.

Dwg.1/10

Title Terms: ELECTRONIC; MAIL; EXCHANGE; PROGRESS; **HIERARCHY** ; DISPLAY; METHOD; DISPLAY; **HIERARCHY** ; STRUCTURE; SYMBOL; DIAGRAM; EXCHANGE; PROGRESS; CONTENT; FILE; TRANSMIT; COMMUNICATE; END; **NODE** ; DISPLAY; UNIT

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/54; H04L-012/58

International Patent Class (Additional): G06F-013/00

File Segment: EPI

7/5/22 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012114451 \*\*Image available\*\*

WPI Acc No: 1998-531363/199845

XRPX Acc No: N98-414641

**Hierarchical data replication method for PC - involves processing changes in data, that are hierarchically independent first, and then processing changes dependent on just processed changes**

Patent Assignee: MICROSOFT CORP (MICR-N)

Inventor: NORIN S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5812773	A	19980922	US 96679209	A	19960712	199845 B

Priority Applications (No Type Date): US 96679209 A 19960712

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5812773	A	35	H01J-013/00	

Abstract (Basic): US 5812773 A

The method involves receiving several unacknowledged replication packets comprising changes to be made in several replica object, at a local **node** through the network. One such change made in the replica object has a **hierarchical dependence** on an other **change** . Such **changes** are processed in **hierarchical** order independent of the received chronological order, so as to preserve the **hierarchical** relationship in the local **node** . The received replication packets are stored and selected for processing when required.

Corresponding to each change indicated in the packet, a change is selected for processing based on preset criteria inturn based various types of changes. Only those changes which are **hierarchically** independent are do not depend on changes that are yet to be processed when the selection is made, are processed first. Then, those **changes** that are **dependent** on the processed **changes** are processed next. Finally, the rest of the changes are taken up for processing.

ADVANTAGE - Ensures proper replication of data across network, without inadvertent data loss.

Dwg.7/10

Title Terms: **HIERARCHY** ; DATA; REPLICa; METHOD; PROCESS; CHANGE; DATA;  
**HIERARCHY** ; INDEPENDENT; FIRST; PROCESS; CHANGE; DEPEND; PROCESS; CHANGE  
Derwent Class: T01  
International Patent Class (Main): H01J-013/00  
File Segment: EPI

7/5/23 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011997561 \*\*Image available\*\*  
WPI Acc No: 1998-414471/199835  
XRPX Acc No: N98-322585

Hierarchical maintenance method of mobile location for packet radio  
network - reporting changes in mobile location to intermediate  
location register representing groups of cells and not to home register

Patent Assignee: NOKIA TELECOM OY (OYNO )  
Inventor: KARI H; RAHKONEN P  
Number of Countries: 083 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9832299	A2	19980723	WO 98FI33	A	19980116	199835 B
FI 9700236	A	19980721	FI 97236	A	19970120	199842
ZA 9800407	A	19981028	ZA 98407	A	19980119	199848
AU 9856652	A	19980807	AU 9856652	A	19980116	199901
EP 953263	A2	19991103	EP 98900865	A	19980116	199951
			WO 98FI33	A	19980116	
JP 2001508970	W	20010703	JP 98533805	A	19980116	200142
			WO 98FI33	A	19980116	

Priority Applications (No Type Date): FI 97236 A 19970120

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9832299	A2	E	18	H04Q-007/22
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE  
IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

FI 9700236	A			H04Q-000/00
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ZA 9800407	A		18	G08C-000/00
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AU 9856652	A			H04Q-007/22	Based on patent WO 9832299
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EP 953263	A2	E		H04Q-007/22	Based on patent WO 9832299
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Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE

JP 2001508970	W		25	H04Q-007/34	Based on patent WO 9832299
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Abstract (Basic): WO 9832299 A

The method of mobile station location maintenance is for a packet radio network involving at least one home location register (HLR/GR) and at least two support nodes (SGSN1, SGSN2). This is done in such a way that the HLR is at the top level of the hierarchy, and the support nodes are at a lower level. The method involves transmitting information on the support node serving the mobile station (MS), to the HLR, as the mobile station logs on the packet radio network.

Intermediate location registers (IRSN) are introduced and cover a larger area of the network to record lower level changes. The home register is only advised of moves out of the larger area.

ADVANTAGE - Reduces amount of traffic with home location register and is otherwise transparent to system.

Dwg.3/3

Title Terms: **HIERARCHY** ; MAINTAIN; METHOD; MOBILE; LOCATE; PACKET; RADIO;  
NETWORK; REPORT; CHANGE; MOBILE; LOCATE; INTERMEDIATE; LOCATE; REGISTER;  
REPRESENT; GROUP; CELL; HOME; REGISTER

Derwent Class: W01; W02

International Patent Class (Main): G08C-000/00; H04Q-000/00; H04Q-007/22;

H04Q-007/34  
International Patent Class (Additional): H04L-012/56; H04M-000/00;  
H04Q-007/38  
File Segment: EPI

7/5/24 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011761981 \*\*Image available\*\*  
WPI Acc No: 1998-178891/199816  
Related WPI Acc No: 1997-526038; 1998-062624; 1998-297311; 1998-609847  
XRPX Acc No: N98-141596

**Re-ordering complex SQL queries containing joins, outer and full outer joins - enumerating all required sets that identify constraints on associative re - orderings of relations using hyper-edges generated between nodes corresp to left outer join, right outer join, or full outer join**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: BHARGAVA G; GOEL P; IYER B R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5724568	A	19980303	US 94326461	A	19941020	199816 B
			US 95464268	A	19950605	

Priority Applications (No Type Date): US 94326461 A 19941020; US 95464268 A 19950605

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5724568	A		27	G06F-017/30	Div ex application US 94326461

Abstract (Basic): US 5724568 A

The query is first translated into a hyper-graph representation. Required sets, conflict sets and preserved sets are then generated for the query hyper-graph. Using the required sets, plans are enumerated. The plans represent associative **re - orderings** of **relations** in the query. SQL operators are selectively assigned to each of the enumerated plans using the conflict sets and/or preserved sets, so that the results from the plans are identical to the original query.

A novel Modified General Outer Join (MGOJ) operator is assigned to the root of a sub- **tree** . The MGOJ operator is a compensation operator. The operator assignment is performed recursively for the root of each sub- **tree** in the plan. One of the enumerated plans, generally the most optimal, is then selected for execution.

ADVANTAGE - Improved execution time with optimal ordering of SQL queries. Identifies and provides enhanced set of re-orderings for optimisation.

Dwg.1/11

Title Terms: ORDER; COMPLEX; SQL; QUERY; CONTAIN; JOIN; OUTER; FULL; OUTER; JOIN; REQUIRE; SET; IDENTIFY; CONSTRAIN; ASSOCIATE; RELATED; HYPER; EDGE; GENERATE; **NODE** ; CORRESPOND; LEFT; OUTER; JOIN; RIGHT; OUTER; JOIN; FULL ; OUTER; JOIN

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

7/5/26 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011079244 \*\*Image available\*\*  
WPI Acc No: 1997-057168/199706  
XRPX Acc No: N97-047042

**Control dependence relation calculation appts for computer program - has control dependence relation calculation part which calculates control**

dependence relation based on acquired reverse rule tree

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8305582	A	19961122	JP 95128954	A	19950428	199706 B

Priority Applications (No Type Date): JP 95128954 A 19950428

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8305582	A		11	G06F-009/45	

(no)  
for computer program

Abstract (Basic): JP 8305582 A

The appts has a reverse rule relation memory (4) which stores reverse rule relation existing between nodes of a control flow graph expressing a particular application program. A control flow graph production part (1) reads the program and forms the control flow graph. A non-branching node reverse rule relation calculation part (3) calculates the reverse rule relation existing between the non-branching node of the above mentioned control flow graph and other nodes according to the demand. Then, a reverse rule relation existing between the branching node of the same control flow graph and other nodes is calculated, by a branched node reverse rule calculation part (2).

The calculated reverse rule relation is then stored into the reverse rule relation memory. A reverse rule tree is then produced based on the data stored in the reverse rule relation memory. Then, a control dependence relation calculation part (5) calculates a control dependence relation (7) from the reverse rule tree.

ADVANTAGE - Reduces complexity involved in analysis of computer program. Increases processing speed. Requires lesser memory space.

Dwg.1/10

Title Terms: CONTROL; DEPEND; RELATED; CALCULATE; APPARATUS; COMPUTER; PROGRAM; CONTROL; DEPEND; RELATED; CALCULATE; PART; CALCULATE; CONTROL; DEPEND; RELATED; BASED; ACQUIRE; REVERSE; RULE; TREE

Derwent Class: T01

International Patent Class (Main): G06F-009/45

International Patent Class (Additional): G06F-009/06

File Segment: EPI

7/5/27 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010997746 \*\*Image available\*\*

WPI Acc No: 1996-494695/199649

XRPX Acc No: N96-417213

Data management method using hierarchical keyword - in which keyword is arranged at appropriate position of keyword storing part and produces

keyword group using first and second keyword groups

Patent Assignee: CANON KK (CANO ); HATORI K (HATO-I)

Inventor: HATORI K

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8255166	A	19961001	JP 9558467	A	19950317	199649 B
US 20030037058	A1	20030220	US 96615782	A	19960314	200316
US 6553382	B2	20030422	US 96615782	A	19960314	200330

Priority Applications (No Type Date): JP 9558467 A 19950317

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8255166	A		17	G06F-017/30	
US 20030037058	A1			G06F-017/30	
US 6553382	B2			G06F-017/00	

Abstract (Basic): JP 8255166 A

The method involves managing a data based on the keyword whose **hierarchy** is **changed**, according to the **relation** between management data. The keyword having similar name, or **parent** name are extracted and a corresponding keyword is obtained (S1402). A set of keyword existing directly under **parent** keyword is extracted from a keyword group.

A logical operation is performed (S1403) on the keyword name, while assembling the keyword which exists directly under the **parent** keyword of group. The **hierarchical** keyword group is formed by changing the keyword from the keyword groups (S1404-1406)

ADVANTAGE - Specifies merge position of keyword storing part.  
Reduces work during formation of keyword.

Dwg.6/32

Title Terms: DATA; MANAGEMENT; METHOD; **HIERARCHY** ; KEYWORD; KEYWORD;  
ARRANGE; APPROPRIATE; POSITION; KEYWORD; STORAGE; PART; PRODUCE; KEYWORD;  
GROUP; FIRST; SECOND; KEYWORD; GROUP

Index Terms/Additional Words: DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/00; G06F-017/30

File Segment: EPI

7/5/30 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009522027 \*\*Image available\*\*

WPI Acc No: 1993-215568/199327

XRPX Acc No: N93-165694

**Automatic initialisation of distributed telecommunication system - identifies switching nodes interconnected by multiple links within node hierarchy and initially routes calls through system**

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT ); AT & T CORP (AMTT )

Inventor: BALES B M; CRUMPLEY R L; NORTH S S; THIELER S M

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 550181	A2	19930707	EP 92311266	A	19921210	199327	B
CA 2081166	A	19930701	CA 2081166	A	19921022	199338	
JP 6085925	A	19940325	JP 92357738	A	19921225	199417	
US 5386466	A	19950131	US 91816360	A	19911230	199511	
EP 550181	A3	19941207	EP 92311266	A	19921210	199536	
CA 2081166	C	19970325	CA 2081166	A	19921022	199724	
EP 550181	B1	20020626	EP 92311266	A	19921210	200242	
DE 69232656	E	20020801	DE 632656	A	19921210	200258	
			EP 92311266	A	19921210		
ES 2174826	T3	20021116	EP 92311266	A	19921210	200302	

Priority Applications (No Type Date): US 91816360 A 19911230

Cited Patents: No-SR.Pub; 2.Jnl.Ref; DE 3632827; EP 167951; EP 366341; EP 550178; EP 550179; EP 550180; EP 556515

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 550181	A2	E	55	H04Q-003/00	
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Designated States (Regional): DE ES FR GB IT

CA 2081166	A			H04Q-003/00	
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JP 6085925	A		52	H04M-003/42	
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US 5386466	A		50	H04M-007/00	
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EP 550181	A3			H04Q-003/00	
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CA 2081166	C			H04Q-003/00	
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EP 550181	B1	E		H04Q-003/00	
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Designated States (Regional): DE ES FR GB IT

DE 69232656	E			H04Q-003/00	Based on patent EP 550181
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ES 2174826	T3			H04Q-003/00	Based on patent EP 550181
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Abstract (Basic): EP 550181 A

A communication switching system contg. multiple switching **nodes** establishes dynamically its own internal configuration upon system initialisation, w.r.t. the number and type of switching modules. Within each module this includes the types of modules control processor and internal switching networks, the type and number of auxiliary circuits and link interfaces, and details of physical packaging.

Module sub-units report upwards to module processors, which report in turn to **node** processors. Each switching **node** and interface identifies individually via connected links. Low level operations are then set up by each interface, each **node** exchanging numbers with other **nodes**, connected via interfaces and links, to establish the system switching **node hierarchy**.

ADVANTAGE - Flexibility avoiding circular and dead-end routing in stored programme control telecommunication system, without using predetermined translation tables requiring human operator intervention for adjustment.

Dwg.8/29

Title Terms: AUTOMATIC; INITIALISE; DISTRIBUTE; TELECOMMUNICATION; SYSTEM; IDENTIFY; SWITCH; **NODE**; INTERCONNECT; MULTIPLE; LINK; **NODE**; **HIERARCHY**; INITIAL; ROUTE; CALL; THROUGH; SYSTEM  
Derwent Class: W01  
International Patent Class (Main): H04M-003/42; H04M-007/00; H04Q-003/00  
International Patent Class (Additional): H04J-003/24; H04L-012/48; H04M-003/22; H04Q-003/545  
File Segment: EPI

7/5/31 (Item 20 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009366967 \*\*Image available\*\*  
WPI Acc No: 1993-060446/199308  
XRPX Acc No: N93-046151

**Controlling change in multiple development environments - using working tables and files to merge delta structures whenever versions are reconciled between environments**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )  
Inventor: SKINNER G  
Number of Countries: 006 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 528617	A2	19930224	EP 92307304	A	19920810	199308 B
EP 528617	A3	19930915	EP 92307304	A	19920810	199509
US 5481722	A	19960102	US 91746957	A	19910819	199607
			US 9384078	A	19930628	
			US 94338883	A	19941114	
EP 528617	B1	19991222	EP 92307304	A	19920810	200004
DE 69230452	E	20000127	DE 630452	A	19920810	200012
			EP 92307304	A	19920810	
KR 169327	B1	19990115	KR 9214904	A	19920819	200038

Priority Applications (No Type Date): US 91746957 A 19910819; US 9384078 A 19930628; US 94338883 A 19941114

Cited Patents: No-SR.Pub; 4.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 528617	A2	E	31	G06F-009/44	
				Designated States (Regional): DE FR GB IT	
EP 528617	A3			G06F-009/44	
US 5481722	A		25	G06F-015/16	Cont of application US 91746957 Cont of application US 9384078
EP 528617	B1	E		G06F-009/44	
				Designated States (Regional): DE FR GB IT	
DE 69230452	E			G06F-009/44	Based on patent EP 528617
KR 169327	B1			G06F-009/00	

Abstract (Basic): EP 528617 A

The source module and its changes in each of at least two

interrelated development environments are maintained in delta structures. Various procedures and working tables/files are provided to merge the delta structures whenever the latest revision/edition of the source module in one of the environments is reconciled/resynchronised to the latest edition/revision of the source module in the other environment. As a result, all change deltas are maintained and propagated among the environments.

USE/ADVANTAGE - For example software development. Provides change control system for at least two software development environments without any loss of change history.

Dwg.5/8

Title Terms: CONTROL; CHANGE; MULTIPLE; DEVELOP; ENVIRONMENT; WORK; TABLE; FILE; MERGE; DELTA; STRUCTURE; VERSION; ENVIRONMENT

Derwent Class: T01

International Patent Class (Main): G06F-009/00; G06F-009/44; G06F-015/16

International Patent Class (Additional): G06F-007/22; G06F-013/00

File Segment: EPI



16/5/7 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05211486 \*\*Image available\*\*  
PARTS PREPARATION PROCESSING SYSTEM

PUB. NO.: 08-166986 [JP 8166986 A]  
PUBLISHED: June 25, 1996 (19960625)  
INVENTOR(s): BEPPU MITSUO  
YASUE MITSURU  
NISHIO TETSUHIRO  
OTA EIJI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-308489 [JP 94308489]  
FILED: December 13, 1994 (19941213)  
INTL CLASS: [6] G06F-017/60 ; B23Q-041/08  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 25.2  
(MACHINE TOOLS -- Cutting & Grinding)

#### ABSTRACT

PURPOSE: To simplify parts preparation work in the preparation processing of parts in the manufacturing industry, etc., by processing automatically the application of the change of design in a manufacturing section and the like in conformity to a predefined rule.

CONSTITUTION: This system is provided with a means 15 which generates a design parts list to show necessary parts in accordance with a designed result, the means 16 which generates a production parts list to show the parts for preparing production in accordance with design parts list, the means 17 which stores the design parts list and the production parts list, the means 18 which **rearranges** constitution as **hierarchical relation** between the parts in the production parts list, and the means 19 which executes the coordination of the article number of the parts between the rearranged production parts list and the design parts list, and the exchange of parts data between a designing section and the manufacturing section is facilitated.

16/5/9 (Item 9 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04480338 \*\*Image available\*\*  
METHOD AND DEVICE FOR SELECTING RELOADING OBJECT ENTRY

PUB. NO.: 06-124238 [JP 6124238 A]  
PUBLISHED: May 06, 1994 (19940506)  
INVENTOR(s): YAMAGAMI NOBUHIKO  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 04-274185 [JP 92274185]  
FILED: October 13, 1992 (19921013)  
INTL CLASS: [5] G06F-012/12  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 1781, Vol. 18, No. 417, Pg. 69,  
August 04, 1994 (19940804)

#### ABSTRACT

PURPOSE: To efficiently select a reloading object entry without decreasing a hit ratio even with the small quantity of a hardware amount.

CONSTITUTION: A candidate entry deciding part 42 for deciding a route following from the highest stage of a bisecting **tree** to the lowest stage corresponding to the values of **flip** -flops FF1-FF15 **related** so as to constitute the bisecting **tree** is provided and a number indicated by a 4-bit value for which the values of the four flip-flops on the route are

successively arranged is defined as the entry number of the candidate of the reloading object entry (candidate entry id). Also, a selection part 44 is provided and when a mishit is detected by a TLB checking circuit 2, a TLB entry indicated by the candidate entry id decided by the candidate entry deciding part 42 at the point of time is selected as the reloading object entry and the holding values of the four flip-flops on the route used for deciding the candidate are inverted.

16/5/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04440029 \*\*Image available\*\*  
GRAPHIC PLOTTING DEVICE

PUB. NO.: 06-083929 [JP 6083929 A]  
PUBLISHED: March 25, 1994 (19940325)  
INVENTOR(s): ITO MASANORI  
ITO TSURUMI  
OKUBO TAKASHI  
TANAKA TSUTOMU  
HAYASHI NOBUYUKI  
APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-257390 [JP 92257390]  
FILED: August 31, 1992 (19920831)  
INTL CLASS: [5] G06F-015/62  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD:R011 (LIQUID CRYSTALS)  
JOURNAL: Section: P, Section No. 1762, Vol. 18, No. 346, Pg. 41, June 29, 1994 (19940629)

#### ABSTRACT

PURPOSE: To plot a graphic through simplified plotting operation by preparing many graphic elements which have various unit graphic such as dots, curved lines, and parallel lines, and selecting and arranging those graphic elements in plane.

CONSTITUTION: Many graphic data storage parts are provided. Function items of **hierarchic** structure are assigned corresponding to software keys respectively and display on a screen as software key displays 51a-51j. The function items includes roads, railroads, etc., and, for example, various parallel lines are prepared as unit graphics for plotting the railroads. the coordinate **relation** with software is **switched** with a switching key. A cursor K is moved by unit areas U with cursor movement keys and, for example, when the cursor is positioned in a unit area having coordinates (2, C) and a software key is pressed, a graphic element E which is parallel line corresponding to the screen display 51b is arranged at the position. Thus, graphic elements are read out of a memory to the screen and arrayed in plane to plot a figure.

16/5/12 (Item 12 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03510064 \*\*Image available\*\*  
SCHEDULER

PUB. NO.: 03-172964 [JP 3172964 A]  
PUBLISHED: July 26, 1991 (19910726)  
INVENTOR(s): KIMURA FUMIHIRO  
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 01-312985 [JP 89312985]  
FILED: December 01, 1989 (19891201)  
INTL CLASS: [5] G06F-015/21 ; G05B-013/02

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 22.3  
(MACHINERY -- Control & Regulation)  
JOURNAL: Section: P, Section No. 1268, Vol. 15, No. 424, Pg. 32,  
October 28, 1991 (19911028)

#### ABSTRACT

PURPOSE: To prevent the danger of explosive expansion of a search **tree** by providing an original problem search part and a symmetrical problem search part and approximately equally performing search for an original problem and search for a symmetrical problem where precedence **relations** of jobs are **reversed**.

CONSTITUTION: A symmetrical problem generating part 1 which generates the symmetrical problem obtained by **reversing** precedence **relations** of stages in respective jobs of the original problem, an original problem search part 2 which constitutes the search **tree** to make a plan, a symmetrical problem search part 3 which constitutes the search **tree** to make a plan with respect to the symmetrical problem, and a search **tree** growth control part 4 which controls growth of both search **trees** of the original problem and the symmetrical problem to prevent uneven growth between both search **trees** are provided. Search for the original problem and that for the symmetrical problem are approximately equally performed. Thus, either search **tree** has the lower field grown in the early stage of search whichever way the lower field is grown in, and a danger of explosive expansion of the search **tree** is prevented.

16/5/13 (Item 13 from file: 347)  
DIALOG(R) File 347:JAPIO  
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03215449 \*\*Image available\*\*  
RELATION CONTROL SYSTEM USING **HIERARCHICAL** STRUCTURE

PUB. NO.: 02-190949 [JP 2190949 A]  
PUBLISHED: July 26, 1990 (19900726)  
INVENTOR(s): TAKAYA MASAHIRO  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-010912 [JP 8910912]  
FILED: January 19, 1989 (19890119)  
INTL CLASS: [5] **G06F-012/00**  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 1117, Vol. 14, No. 474, Pg. 142,  
October 16, 1990 (19901016)

#### ABSTRACT

PURPOSE: To accelerate the reading and storage of **relation** data and **reverse relation** data between left and right entity data by using **hierarchical** structure.

CONSTITUTION: A left entity data storing means 1 stores left entity data having relation data in a data dictionary 7 as upper level data and a right entity data storing means 2 stores right entity data which are the relation data of the left entity data in the data dictionary 7 as the lower level data of the left entity data. A left entity data reading means 3 reads out the left entity data and a right entity data reading means 4 read out right entity data to be the relation data respectively from the data dictionary 7 and left and right entity data currency information storing means 5, 6 respectively store the data positions currently read out by the means 3, 4. Consequently, the reading and storage of the **relation** data and the **reverse relation** data can be accelerated.

16/5/14 (Item 14 from file: 347)  
DIALOG(R) File 347:JAPIO  
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02792142    \*\*Image available\*\*  
**TREE** TYPE MUTUAL COUPLING NETWORK

PUB. NO.:        01-089742 [JP 1089742 A]  
PUBLISHED:      April 04, 1989 (19890404)  
INVENTOR(s):    YAMADA SHIGEKI  
APPLICANT(s):   NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese  
                 Company or Corporation), JP (Japan)  
APPL. NO.:      62-244239 [JP 87244239]  
FILED:          September 30, 1987 (19870930)  
INTL CLASS:     [4] H04L-011/20; **G06F-015/16**  
JAPIO CLASS:    44.3 (COMMUNICATION -- Telegraphy); 45.4 (INFORMATION  
                 PROCESSING -- Computer Applications)  
JOURNAL:        Section: E, Section No. 791, Vol. 13, No. 323, Pg. 35, July  
                 21, 1989 (19890721)

#### ABSTRACT

PURPOSE: To suppress the quick increase in a hardware quantity and to reduce a transferring delay even when a network scale is enlarged by obtaining a **tree** type connecting construction and efficiently routing the **tree** construction.

CONSTITUTION: The communication from a processor 0(20-1) to a processor 1(20-2) is executed by the passage of only a switch (21-1)1 step. Next, the communication from a processor 4(20-5) to a processor 7(20-8) is executed through a 3-step switch (switches 21-3, 22-2 and 21-4). Thus, by obtaining the **tree** type construction, the number of the switches can be reduced. By housing two **related** processors under the same **switch**, the communication time of a system as a whole can be widely reduced.

16/5/15        (Item 15 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02753943    \*\*Image available\*\*  
**HIERARCHICAL** CACHE DEVICE

PUB. NO.:        01-051543 [JP 1051543 A]  
PUBLISHED:      February 27, 1989 (19890227)  
INVENTOR(s):    YAMANO KOZO  
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP  
                 (Japan)  
APPL. NO.:      62-207381 [JP 87207381]  
FILED:          August 22, 1987 (19870822)  
INTL CLASS:     [4] **G06F-012/08** ; **G06F-012/08**  
JAPIO CLASS:    45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL:        Section: P, Section No. 883, Vol. 13, No. 253, Pg. 102, June  
                 13, 1989 (19890613)

#### ABSTRACT

PURPOSE: To shorten a cache access time by deciding the validity of a first cache index data by comparing the first cache index data and a second cache index data, and obtaining the second cache index data or index data from a main memory depending on the result of a second directory index in case the first cache index data is decided invalid.

CONSTITUTION: The titled device is provided with a first directory L1AA3 managed by logical addresses, a second directory P2AA11 managed by actual addresses, and a second data array P2DA12 corresponding to the second directory. A flip-flop C1H20 detects a first cache index error, while a display **flip**-flop C2H21 **reports** to the source of request that the first cache index data is valid. Further, a flip-flop P2H22 makes the first cache index data invalid in case the comparison between the first index data and the second cache index data in a comparator circuit 37, when the result is in dissidence, and displays that the second cache index data is valid.

16/5/17 (Item 17 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02465621 \*\*Image available\*\*  
SEARCH DEVICE

PUB. NO.: 63-082521 [JP 63082521 A]  
PUBLISHED: April 13, 1988 (19880413)  
INVENTOR(s): WATANABE MASANOBU  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 61-227853 [JP 86227853]  
FILED: September 26, 1986 (19860926)  
INTL CLASS: [4] G06F-009/44 ; G06F-007/28  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 750, Vol. 12, No. 317, Pg. 81, August  
29, 1988 (19880829)

#### ABSTRACT

PURPOSE: To attain a high speed access by previously carrying out a search processing at the time of changing the **hierarchy** of an object and a slot and changing a pointer in a search device for the slot based on the relation between the objects in an information processing system.

CONSTITUTION: A pointer search part 3 directly obtains the value of the slot of an instructed object or obtains from the object of a pointer destination by the use of the pointer and returns to a request source. When the **hierarchy** of the objects or slot information is changed, the pointer management part 4 of the search device manages and maintains the pointer. Initially, a reverse direction search part 5 extracts the candidate of the object to be updated based on the **reverse relation** of a noticed **relation** from the changed object. A priority decision part 6 decides the priority of a changed new object and an existing object. At this time, a forward direction search part 7 carries out the search based on the relation to be noticed at present and delivers information for deciding the priority to the priority decision part 6.

16/5/18 (Item 18 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02379372 \*\*Image available\*\*  
STATE TRANSITION DIAGRAM GENERATION SYSTEM

PUB. NO.: 62-296272 [JP 62296272 A]  
PUBLISHED: December 23, 1987 (19871223)  
INVENTOR(s): KIN BUKAN  
IWAMI YASUO  
AOYAMA MIKIO  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 61-139724 [JP 86139724]  
FILED: June 16, 1986 (19860616)  
INTL CLASS: [4] G06F-015/60  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 712, Vol. 12, No. 192, Pg. 7, June  
04, 1988 (19880604)

#### ABSTRACT

PURPOSE: To automatically generate a unified diagram by checking the order to arranging pixels used for starting the status of a state transition diagram and the subordinate relation between pixels, grouping them and deciding a connection terminal.

CONSTITUTION: When text data on a state transition diagram is inputted from

a text data device 1 to a data processor 9, a decision means 3 decides the **master / slave** relation between pixels by referring to a **master / slave** decision table 2. Then a division means 4 groups them into pixel data series with no **relation**, and a **rearrangement** means 6 **rearranges** them in the prescribed order according to the minimum terminal number, then further rearranges them according to arrangement rules by referring to an arrangement rule table 5. While an output means 8 maintains the increasing order of arranging pixels, it outputs pixel pattern signals by referring to a conversion table 7. An output device 10 makes the pixel pattern signals into a state transition diagram and outputs it.

16/5/31 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011621719 \*\*Image available\*\*

WPI Acc No: 1998-038847/199804

XRPX Acc No: N98-031319

**Automatic translator with translation coupler** - inverts hierarchical data which gives relationship between input and modified text and then transmits hierarchical data

Patent Assignee: REEM PROPERTIES BV (REEM-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9293075	A	19971111	JP 96100059	A	19960422	199804 B
JP 3437710	B2	20030818	JP 96100059	A	19960422	200356

Priority Applications (No Type Date): JP 96100059 A 19960422

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 9293075	A		11	G06F-017/28	
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JP 3437710	B2		11	G06F-017/27	Previous Publ. patent JP 9293075
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Abstract (Basic): JP 9293075 A

The translator consists of a pattern memory in which text pattern in specific format is stored. A pattern matching unit compares the text input through an input unit (23) with the corresponding pattern stored in pattern memory and modifies the input text based on the compared pattern. Then, the text is **hierarchically** arranged and is separated into blocks of **hierarchical** data.

An output unit outputs the produced **hierarchical** data which provides the relationship corresponding to modified text and input text. A data inverter reverses the **hierarchical** data and provides new **hierarchical** data. The inverted data are then transmitted.

ADVANTAGE - Translates in order of target language. Provides effective modification relationship.

Dwg.1/8

Title Terms: AUTOMATIC; TRANSLATION; TRANSLATION; COUPLE; INVERT;

**HIERARCHY** ; DATA; RELATED; INPUT; MODIFIED; TEXT; TRANSMIT; **HIERARCHY** ; DATA

Derwent Class: T01

International Patent Class (Main): G06F-017/27 ; G06F-017/28

International Patent Class (Additional): G06F-017/27

File Segment: EPI

16/5/32 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010854790 \*\*Image available\*\*

WPI Acc No: 1996-351743/199635

XRPX Acc No: N96-296615

**Component arrangement processing system for mfg process** - in which component data is switched between design section and mfg section

Patent Assignee: FUJITSU LTD (FUIT )

Inventor: BEPPU M; NISHIO A; OHTA E; YASUE M  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8166986	A	19960625	JP 94308489	A	19941213	199635 B
US 5777877	A	19980707	US 95556853	A	19951102	199834

Priority Applications (No Type Date): JP 94308489 A 19941213

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8166986	A		22	G06F-017/60	
US 5777877	A			G06F-019/00	

Abstract (Basic): JP 8166986 A

The system has a design component table input unit (15) which creates a design component table showing the required component according to the design result. A production arrangement component table input unit (16) creates the production component table which shows the component for production arrangement in corresponding to the design component table. A design and production component table unit stores the design and the production component table.

A composition recombination processing unit (18) **rearranges** the composition as a **hierarchical relation** between the components in the production component table. A data link processing unit (19) matches the component between the production and the design component table when the composition recombination is performed. After performing composition recombination, the component data is switched between a design section and a mfg section.

ADVANTAGE - Reduces mistake. Simplifies component arrangement work.

Dwg.1/20

Title Terms: COMPONENT; ARRANGE; PROCESS; SYSTEM; MANUFACTURE; PROCESS;

COMPONENT; DATA; SWITCH; DESIGN; SECTION; MANUFACTURE; SECTION

Derwent Class: P56; T01

International Patent Class (Main): G06F-017/60 ; G06F-019/00

International Patent Class (Additional): B23Q-041/08

File Segment: EPI; EngPI

16/5/36 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009838095 \*\*Image available\*\*

WPI Acc No: 1994-117951/199414

Related WPI Acc No: 1996-425003

XRPX Acc No: N94-092453

**Managing data in computer-based system - providing two generic data elements and single ordered file, controlling data relationships that can be established, globally linking data sets and automatically projecting connection.**

Patent Assignee: APPLIED TECH SYSTEMS INC (TESY-N)

Inventor: LEENSTRA R B; WURDEN E H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5303367	A	19940412	US 90621834	A	19901204	199414 B

Priority Applications (No Type Date): US 90621834 A 19901204

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5303367	A		34	G06F-015/40	

Abstract (Basic): US 5303367 A

The method involves using a computer to create an original array of data sets. Each data set has a data type element for differentiating one kind of subject matter from another and a data value element for differentiating data sets with the same data type element. The array contains a key data set and data sets related to the key data set. The

computer is used to link the related data sets in a **hierarchy** in which the related data sets are each in an indentured relationship to the key data set.

The computer is used to **invert the relationship** between an indentured data set in the original array and the remaining data sets in the array as to create an inverted data set array. The array has the data set entered in the original array as its key data set, and all data sets higher in the **hierarchy** of the original data set linked to that key data set in inverted order. The original and inverted data set arrays are stored in the memory of the computer.

ADVANTAGE - Increases speed and flexibility. Eliminates need for complex data manipulation language, data or application dependent software, and separate structuring tools e.g. pointers, lists, and indexes. Automatically creates relationships among data possibly not apparent to user or designer.

Dwg.3/11

Title Terms: MANAGE; DATA; COMPUTER; BASED; SYSTEM; TWO; DATA; ELEMENT; SINGLE; ORDER; FILE; CONTROL; DATA; RELATED; CAN; ESTABLISH; LINK; DATA; SET; AUTOMATIC; PROJECT; CONNECT

Derwent Class: T01

International Patent Class (Main): **G06F-015/40**

File Segment: EPI

**16/5/38 (Item 17 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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004131850

WPI Acc No: 1984-277390/198445

XRPX Acc No: N84-207053

**Storing and retrieving system for data base - uses inverted list tables each associated with respective data table storing records**

Patent Assignee: WANG LAB INC (WANG )

Inventor: WAISMAN A; WEISS A M

Number of Countries: 007 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 124097	A	19841107	EP 84104726	A	19840426	198445 B
AU 8427008	A	19850221				198515
US 4606002	A	19860812	US 83523527	A	19830817	198635
CA 1214284	A	19861118				198651
EP 124097	B	19910814				199133
DE 3484910	G	19910919				199139

Priority Applications (No Type Date): US 83523527 A 19830817; US 83490814 A 19830502

Cited Patents: 4.Jnl.Ref; A3...8835; JP 58003032; No-SR.Pub; US 4318184; JP 583032

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 124097	A	E 28		
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Designated States (Regional): BE DE FR GB

EP 124097	B			
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Designated States (Regional): BE DE FR GB

Abstract (Basic): EP 124097 A

Each data table is identified by assigning to it an unique record index value (R1). Each record within a given data table is assigned an unique record serial number (RSN) in that table. The serial numbers are divided into consecutive ranges, each range having a given number of record serial numbers. The records in each table are divided into fields, each of which is identified by a field index value and each field containing data values of a given type.

Each of the inverted list tables is associated with a respective one of the data tables. A number of keys are generated each of which is associated with a particular field and represents the occurrence of a given data value in that field. One or more points are associated with



each key to represent the record serial numbers of records containing data values represented by an associated key. Each pointer has a range value and a sparse array bit map.

ADVANTAGES - Very efficient inverted list storage.

1/10

Title Terms: STORAGE; RETRIEVAL; SYSTEM; DATA; BASE; INVERT; LIST; TABLE; ASSOCIATE; RESPECTIVE; DATA; TABLE; STORAGE; RECORD

Derwent Class: T01

International Patent Class (Additional): G06F-005/00 ; G06F-007/00 ; G06F-012/04 ; G06F

File 348:EUROPEAN PATENTS 1978-2003/Sep W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030918,UT=20030911

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	59659	TREE OR TREES OR HIERARCH? OR (DIRECTORY OR FILE)()STRUCTURE? ? OR PARENT()CHILD? ? OR MASTER()SLAVE
S2	216270	PARENT? ? OR CHILD? ? OR CHILDREN? ? OR LEAF? ? OR LEAVES - OR NODE? ?
S3	38880	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT? OR CONSTRAINT? ?)(5N)(REVERS? OR SWITCH? OR FLIP???? OR INVERT? OR SWAP???? OR TRANSPOS? OR REORDER? OR RE() (ORDER? OR ARRANG?) OR REARRANG? OR EXCHANG?)
S4	174887	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT? OR CONSTRAINT? ?)(5N)CHANG???
S5	132	S1(S)S2(S)S3
S6	51	S5 AND IC=G06F
S7	151	S1(S)S2(S)S4
S8	189	S4(5N)S2
S9	40	S1(S)S8
S10	39	S9 NOT S6
S11	363	S3(5N)S2
S12	33	S1(S)S11
S13	18	S12 NOT (S6 OR S10)
S14	544	S8 OR S11
S15	54	S11 AND IC=G06F
S16	39	S15 NOT (S6 OR S10 OR S13)
S17	461	S1(S)S3
S18	68	S17/TI,AB,CM
S19	58	S18 NOT (S6 OR S10 OR S13 OR S16)

10/5,K/14 (Item 14 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00914404

Hyper-text document preparing apparatus  
Hypertext-Dokumentaufstellungssystem  
Systeme de preparation de documents hypertextes  
PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (1855501), 1006, Oaza Kadoma,  
Kadoma-shi Osaka, (JP), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Inoue, Kazunori, 1-5-303, Hayamiya 1-chome, Nerima-ku, Tokyo, (JP)  
Sakushima, Kazuo, 904-1-304, Mizonoguchi, Takatsu-ku, Kawasaki, (JP)  
Kawaguchi, Kyoko, 705-1-270, Oyama, Matsudo-shi, Chiba-ken, (JP)  
Nakanishi, Yoshiaki, 2-4-10-305, Matsunoki, Suginami-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Finsterwald, Martin et al (75232), Manitz, Finsterwald & Partner,  
Robert-Koch-Strasse 1, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 834820 A2 980408 (Basic)  
EP 834820 A3 990414

APPLICATION (CC, No, Date): EP 97116976 970930;

PRIORITY (CC, No, Date): JP 96261515 961002

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/30;

ABSTRACT EP 834820 A2

Contents of each of nodes indicating a plurality of hyper-text documents are prepared and revised in a node managing unit as node information. A connection-relationship between two nodes is established and revised for each of the nodes in a hierarchy structure managing unit as hierarchy structure information, and a hierarchy structure of the nodes is established. In this hierarchy structure, one node ranked to the top level is set as a parent node, and the other nodes are set to child nodes. Thereafter, a plurality of hyper-text documents arranged in the hierarchy structure are prepared from the node information and the hierarchy structure information. Therefore, because the contents of each node is managed in dependence of the preparation of the hierarchy structure, the hyper-text documents arranged in the hierarchy structure can be easily prepared.

ABSTRACT WORD COUNT: 135

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 980408 A2 Published application (Alwith Search Report  
;A2without Search Report)

Examination: 980408 A2 Date of filing of request for examination:  
970930

Search Report: 990414 A3 Separate publication of the European or  
International search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9815	1483
SPEC A	(English)	9815	9880
Total word count - document A			11363
Total word count - document B			0
Total word count - documents A + B			11363

...SPECIFICATION of nodes is added to the node information storing unit 14, a connection-relationship between a remarked node and a node or a group of nodes is changed to a connection-relationship between another remarked node and the node or the group of nodes, or a connection-relationship between a remarked node and a node or a group of nodes is newly established in addition to a connection-relationship between another remarked node and the node or the group of nodes. Thereafter, the hierarchy structure and the title information changed by the hierarchy structure changing unit 72 are displayed by the

**hierarchy** structure displaying unit 62.

Fig. 24 shows an example of the change of the hierarchy structure.

As shown in Fig. 24, a connection-relationship between...

...by the receiving unit 12 and changing the hierarchy structure information stored in the hierarchy structure information storing unit 16 according to the hierarchy structure **changing** instruction to **change** a linking **relationship** between a **parent node** and a child node or a group of child nodes, and

the hierarchy structure displaying unit 62 for displaying the hierarchy structure and the title...

...allocated to the child nodes by the link information automatic producing unit 34 are changed by the hierarchy structure changing unit 82 so as to **change** a linking **relationship** between the **parent node** and the child node or the group of child **nodes**.

Accordingly, the user can arbitrarily **change** a linking **relationship** between a **parent node** and a child node or a group of child nodes.

Having illustrated and described the principles of the present invention in a preferred embodiment thereof...

...CLAIMS the node information produced by the node managing means, the hierarchy structure information produced by the hierarchy structure managing means and the link information; and **hierarchy** structure changing means for changing the **hierarchy** structure information produced by the **hierarchy** structure managing means to **change** one linking **relationship**, a **changed hierarchy** structure of the **nodes** being prepared and displayed by the **hierarchy** structure displaying means according to the changed **hierarchy** structure information.

10/5,K/16 (Item 16 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00882315

**Structured document processor, method of processing a structured document, and database system**

**Prozessor von strukturierten Dokumenten, Verfahren zum Verarbeiten eines strukturierten Dokuments und Datenbanksystem**

**Processeur de documents structures, methode de traitement de document structure et systeme de base de donnees**

PATENT ASSIGNEE:

FUJI XEROX CO., LTD., (450442), 17-22, Akasaka 2-chome, Minato-ku, Tokyo, (JP), (Applicant designated States: all)

INVENTOR:

Hazama, Tan, c/o Fuji Xerox Co., Ltd., Green-Tech Nakai, 430, Sakai,

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Hayashi, Koichi, c/o Fuji Xerox Co., Ltd., Green-Tech Nakai, 430, Sakai,

Nakai-machi, Ashigarakami-gun, Kanagawa 259-01, (JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 807889 A2 971119 (Basic)

EP 807889 A3 010620

APPLICATION (CC, No, Date): EP 97107808 970513;

PRIORITY (CC, No, Date): JP 96119057 960514

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/22; G06F-017/30

ABSTRACT EP 807889 A2

A structure document processor for managing or processing a document is disclosed which has document constituent elements, which are constituted by including document contents, and a hierarchical structure for relating the document constituent elements, the structure document processor comprising:

node-group managing means for setting as a node group nodes located at

NO  
(document processing  
not (data objects))

a same hierarchical level of the hierarchical structure among nodes constituting the hierarchical structure, and for storing the order, in the hierarchical structure, of the nodes included in that node group; and

logical-style managing means for storing a hierarchical relationship, in the hierarchical structure, of node groups.

ABSTRACT WORD COUNT: 101

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 010620 A3 Separate publication of the search report

Application: 971119 A2 Published application (A1with Search Report  
;A2without Search Report)

Withdrawal: 021113 A2 Date application deemed withdrawn: 20011221

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9711W2	717
SPEC A	(English)	9711W2	6694
Total word count - document A			7411
Total word count - document B			0
Total word count - documents A + B			7411

...SPECIFICATION in each of the nodes.

In accordance with the invention according to claim 6, in the structure document processor according to claim 5 further comprises: **changing** means for **changing** the **hierarchical relationship** of the **node** groups stored in the logical-style managing means, wherein the logical-structure generating unit changes the **hierarchical** structure in accordance with the **change** of the **hierarchical relationship** of the **node** groups.

In accordance with the invention according to claim 7, there is provided a method of processing a structured document for processing a document which...

...CLAIMS respectively belong, and the order of the document constituent elements in each of the nodes.

- ⑥ The structure document processor of claim 5, further comprising:  
**changing** means for **changing** the **hierarchical relationship** of the **node** groups stored in said logical-style managing means, wherein said logical-structure generating unit changes the **hierarchical** structure in accordance with the **change** of the **hierarchical relationship** of the **node** groups.
7. A method of processing a structured document for processing a document which has document constituent elements, which are constituted by including document contents...

10/5,K/17 (Item 17 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00797422

**Object relationship management system**

**Verwaltungssystem fur Objektverbindungen**

**Systeme de gestion de relations d'objets**

PATENT ASSIGNEE:

Intergraph Corporation, (1179942), One Madison Industrial Park,  
Huntsville, Alabama 35824, (US), (applicant designated states:  
DE;FR;GB;IT;NL)

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Brann, Dave L., 142 Kingswood Drive, Huntsville, Alabama 35806, (US)  
Attilio, Gerard J., 227 Brentwood Lane, Madison, Alabama 35758, (US)

Arce, Alredo, 767 Seina Vista Drive, Madison, Alabama 35758, (US)

LEGAL REPRESENTATIVE:

Sparing - Rohl - Henseler Patentanwälte (100366), Rethelstrasse 123,  
40237 Dusseldorf, (DE)

PATENT (CC, No, Kind, Date): EP 742523 A2 961113 (Basic)  
EP 742523 A3 980715

APPLICATION (CC, No, Date): EP 96106911 960502;

PRIORITY (CC, No, Date): US 437942 950509

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: G06F-017/30;

ABSTRACT EP 742523 A2

A method for maintaining relationships between entities in a computer system, each entity having a plurality nodes, includes the steps of: modifying one of the plurality of nodes; searching for a plurality of dependent nodes from the plurality of nodes coupled to the one node; ordering the plurality of dependent nodes into an order; and evaluating the plurality of dependent nodes in the order. (see image in original document)

ABSTRACT WORD COUNT: 82

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 011010 A2 Date of dispatch of the first examination  
report: 20010828

Application: 961113 A2 Published application (A1with Search Report  
;A2without Search Report)

Search Report: 980715 A3 Separate publication of the European or  
International search report

Examination: 990303 A2 Date of filing of request for examination:  
981229

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1125
SPEC A	(English)	EPAB96	26039
Total word count - document A			27164
Total word count - document B			0
Total word count - documents A + B			27164

...SPECIFICATION node was modified by the user; or

- a function node has its associative behavior modified by changing its evaluation function, changing its parameters, editing its **parents** or **changing** its equivalence **relations**.
- Search for all **nodes** to evaluate, step 110.

Nodes to evaluate are nodes which depend directly or transitively on the modified nodes. In other words, search for the nodes...

...upon are evaluated. Such ordering is analogous to ordering numeric variables related by operators "less than" (<) and "equal to" (==) into ascending order: (<) being the directed **parent** / **child** (dependency) relation, and (==) being the equivalence relation. Thus a parent is "less than" its child and is evaluated before the child, and all related predicates...

10/5,K/18 (Item 18 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00743780

Data retrieval system, data processing system, data retrieval method, and  
data processing method

Datenwiedererfindungssystem, Datenverarbeitungssystem, Datenwiedererfindung  
sverfahren und Datenverarbeitungsverfahren

Systeme de recouvrement de donnees, systeme de traitement de donnees,  
procede de recouvrement de donnees et procede de traitement de donnees

PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho, Saiwai-ku,  
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states: all)

INVENTOR:

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LEGAL REPRESENTATIVE:

Lehn, Werner, Dipl.-Ing. et al (7474), Hoffmann Eitle, Patent- und  
Rechtsanwalte, Arabellastrasse 4, 81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 702310 A1 960320 (Basic)  
EP 702310 B1 020710

APPLICATION (CC, No, Date): EP 95114379 950913;

PRIORITY (CC, No, Date): JP 94219145 940913

DESIGNATED STATES: DE; FR; GB

RELATED DIVISIONAL NUMBER(S) - PN (AN):

(EP 2001107745)

INTERNATIONAL PATENT CLASS: G06F-017/30

CITED PATENTS (EP B): EP 583559 A

CITED REFERENCES (EP B):

SOFTWARE PRACTICE & EXPERIENCE, vol. 21, no. 10, 1 October 1991 pages  
1027-1040, XP 000297892 DUNDAS III J A 'IMPLEMENTING DYNAMIC  
MINIMAL-PREFIX TRIES'

PATTERN RECOGNITION, vol. 24, no. 7, 1 January 1991 pages 711-716, XP  
000228850 SHUFEN KUO ET AL 'A TWO-STEP STRING-MATCHING PROCEDURE\*'

PROCEEDINGS OF THE ANNUAL SYMPOSIUM ON FOUNDATIONS OF COMPUTER SCIE, ST.  
LOUIS, OCT. 22 - 24, 1990, vol. 1, 22 October 1990 INSTITUTE OF  
ELECTRICAL AND ELECTRONICS ENGINEERS, pages 116-124, XP 000221921 CHANG  
W I ET AL 'APPROXIMATE STRING MATCHING IN SUBLINEAR EXPECTED TIME';

ABSTRACT EP 702310 A1

It is an object of this invention to provide a data retrieval system  
which updates data speedily. The dividing means determines the first  
substring (2) and second substring (3) based on the code string (1) from  
which a key string is retrieved. For each substring, the generating  
means (7) generates the dictionary data (5) and (6) showing the  
correspondence between a trailing string, which is a trailing part of  
data in the substring, and the start position of the trailing string  
within the code string. The retrieving means (8) retrieves a trailing  
string whose leading string is a key string or a part of the key string,  
based on the dictionary data. The removing means (9) removes duplicate  
trailing strings. When the changing means (10) changes the code string,  
the updating means (11) updates dictionary data associated with the  
substring based on the contents of the change. The first maintaining  
means (12) maintains the boundary interval at the maximum key length or  
longer, and the second maintaining means (13) maintains the boundary  
interval at a specified length or less. (see image in original  
document)

ABSTRACT WORD COUNT: 211

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 010523 A1 Application number of divisional application  
(Article 76) changed: 20010405

Application: 960320 A1 Published application (A1with Search Report  
;A2without Search Report)

Oppn None: 030702 B1 No opposition filed: 20030411

Grant: 020710 B1 Granted patent

Examination: 960626 A1 Date of filing of request for examination:  
960425

Examination: 990929 A1 Date of dispatch of the first examination  
report: 19990816

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	3335
CLAIMS B	(English)	200228	2791
CLAIMS B	(German)	200228	2510

CLAIMS B	(French)	200228	3096
SPEC A	(English)	EPAB96	23827
SPEC B	(English)	200228	16139
Total word count - document A			27166
Total word count - document B			24536
Total word count - documents A + B			51702

...SPECIFICATION structure, which is not affected by the change, to be used unchanged, reducing the update time.

When removing part of a substring affected by the **change**, **related nodes** and edges are removed while going up the **tree** from the end node of a trailing string to be removed to the root. This removal ends when there a node having an edge or...

10/5,K/19 (Item 19 from file: 348)  
 DIALOG(R) File 348:EUROPEAN PATENTS  
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00605848

**Maintenance of message distribution trees in a communications network.**  
**Wartung der Nachrichtverteilungsbaume in einem Ubertragungsnetz.**  
**Maintenance d'arbres de distribution de messages dans un reseau de communication.**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
 Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Drake, John Ellis, Jr., 321 Fearrington, Pittsboro, NC 27312, (US)  
 Hervatic, Elizabeth Anne, 4908 Matlock St., Apex, NC 27502, (US)

LEGAL REPRESENTATIVE:

de Pena, Alain (15151), Compagnie IBM France Departement de Propriete  
 Intellectuelle, F-06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 582534 A2 940209 (Basic)  
 EP 582534 A3 960214

APPLICATION (CC, No, Date): EP 93480061 930519;

PRIORITY (CC, No, Date): US 923125 920731

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04L-012/18;

ABSTRACT EP 582534 A2

Each node in a multinode communication system is provided with programming to act as a Set Manager for a given set of nodes and users. Functions of the Set Manager include operation processes for creating distribution trees for efficient multicast and bandwidth reservation tasks. Because set membership is not necessarily fixed or accurate at the time the distribution tree is created, the Tree Leader task that creates and maintains the trees needs accurate and updated information showing the number of users at the nodes it serves which are participating in the distribution tree. The count of active users at nodes served by the Tree Leader is provided in response to an indicia established at the time the Tree Leader sets up the tree. Each Set Manager at a given node monitors for changes in set membership and link failure and notifies the requesting Tree Leaders for each tree in which it participates whenever changes in the number of users either by joining or leaving the set or link failures occur by direct communication between the Set Managers and the Tree Leaders without requiring intervention of other elements in the system. (see image in original document)

ABSTRACT WORD COUNT: 223

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 940209 A2 Published application (A1with Search Report  
 ;A2without Search Report)

Examination: 940720 A2 Date of filing of request for examination:  
 940519

Search Report: 960214 A3 Separate publication of the European or  
 International search report

Examination: 980701 A2 Date of despatch of first examination report:



980515

Withdrawal: 990519 A2 Date on which the European patent application  
was deemed to be withdrawn: 981126

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	538
SPEC A	(English)	EPABF2	5004
Total word count - document A			5542
Total word count - document B			0
Total word count - documents A + B			5542

...CLAIMS comprising:

means at each node for examining a received said network change notification message and for determining whether said node is acting as a **Tree** Leader for the **tree** for which said **node reporting** conditions via said network **change** notification message and, means responsive to a true determination from the foregoing means for examining network change notification messages, for determining whether the current **tree** member user count for the affected node and subnode which generated said network change notification is greater than zero and if so, for incrementing or...

File 8: Ei Compendex(R) 1970-2003/Sep W2  
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File 233: Internet & Personal Comp. Abs. 1981-2003/Jul  
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File 34: SciSearch(R) Cited Ref Sci 1990-2003/Sep W2  
(c) 2003 Inst for Sci Info  
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File 95: TEME-Technology & Management 1989-2003/Aug W5  
(c) 2003 FIZ TECHNIK  
File 438: Library Lit. & Info. Science 1984-2003/Aug  
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Set	Items	Description
S1	741605	TREE OR TREES OR HIERARCH? OR (DIRECTORY OR FILE)()STRUCTURE? ? OR PARENT()CHILD? ? OR MASTER()SLAVE
S2	2389005	PARENT? ? OR CHILD? ? OR CHILDREN? ? OR LEAF? ? OR LEAVES - OR NODE? ?
S3	115924	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT? OR CONSTRAINT? ?) (5N) (REVERS? OR SWITCH? OR FLIP???? OR INVERT? OR SWAP???? OR TRANSPOS? OR REORDER? OR RE() (ORDER? OR ARRANG?) OR REARRANG? OR EXCHANG?)
S4	214519	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT? OR CONSTRAINT? ?) (5N)CHANG???
S5	553	S1 AND S2 AND S3
S6	906	S1 AND S2 AND S4
S7	677	S3(5N)S2
S8	125	S1 AND S7
S9	1938	S4(5N)S2
S10	309	S1 AND S9
S11	1325949	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR TABLE? ?
S12	39	S5:S6 AND S11
S13	27	RD (unique items)
S14	20	S13 NOT PY=2000:2003
S15	108	RD S8 (unique items)
S16	78	S15 NOT PY=2000:2003
S17	75	S16 NOT S14

14/5/1 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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05253892 E.I. No: EIP99034602323

**Title: Efficient and flexible incremental parsing**

Author: Wagner, Tim A.; Graham, Susan L.

Corporate Source: Univ of California, Berkeley, CA, USA

Source: ACM Transactions on Programming Languages and Systems v 20 n 5  
Sep 1998. p 980-1013

Publication Year: 1998

CODEN: ATPSDT ISSN: 0164-0925

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 9905W3

Abstract: Previously published algorithms for LR(k) incremental parsing are inefficient, unnecessarily restrictive, and in some cases incorrect. We present a simple algorithm based on parsing LR(k) sentential forms that can incrementally parse an arbitrary number of textual and/or structural modifications in optimal time and with no storage overhead. The central role of balanced sequences in achieving truly incremental behavior from analysis algorithms is described, along with automated methods to support balancing during parse **table** generation and parsing. Our approach extends the theory of sentential-form parsing to allow for ambiguity in the grammar, exploiting it for notational convenience, to denote sequences, and to construct compact ('abstract') syntax **trees** directly. Combined, these techniques make the use of automatically generated incremental parsers in interactive software development environments both practical and effective. In addition, we address information preservation in these environments: Optimal **node** reuse is defined; previous definitions are shown to be insufficient; and a method for detecting **node** reuse is provided that is both simpler and faster than existing techniques. A program representation based on self-versioning documents is used to detect changes in the program, generate efficient **change reports** for subsequent analyses, and allow the parsing transformation itself to be treated as a reversible modification in the edit log. (Author abstract) 36 Refs.

Descriptors: \*Software engineering; Algorithmic languages; Program compilers; Program translators

Identifiers: Incremental parsing

Classification Codes:

723.1.1 (Computer Programming Languages)

723.1 (Computer Programming)

723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

14/5/2 (Item 2 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04425892 E.I. No: EIP96063213499

**Title: ABDADA distributed minimax search algorithm**

Author: Weill, Jean-Christophe

Corporate Source: Universite de Paris, Cachan, Fr

Conference Title: Proceedings of the 1996 ACM Computer Science Conference

Conference Location: Philadelphia, PA, USA Conference Date:  
19960216-19960218

Sponsor: ACM

E.I. Conference No.: 44769

Source: Proceedings - ACM Computer Science Conference 1996. ACM, New York, NY, USA. p 131-138

Publication Year: 1996

CODEN: PCSCE9

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review);  
T; (Theoretical)

Journal Announcement: 9608W2

Abstract: This paper presents a new method to parallelize the minimax

**tree** search algorithm. This method is then compared to the 'Young Brother Wait Concept' algorithm in an Othello program implementation and in a Chess program. Results of tests done on a 32- **node** CM5 and a 128- **node** CRAY T3D computers are given. (Author abstract) 24 Refs.

Descriptors: \*Parallel algorithms; Online searching; Distributed computer systems; Computers; Formal languages; Computer hardware description languages; Codes (symbols); Program processors

Identifiers: ABDADA; Minimax search algorithm; Young brother wait concept ; Chess program; Game playing programs; Fixed **master slave relationship ; Transposition table**

Classification Codes:

723.1.1 (Computer Programming Languages)

723.1 (Computer Programming); 903.3 (Information Retrieval & Use);

722.4 (Digital Computers & Systems); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory)

723 (Computer Software); 903 (Information Science); 722 (Computer Hardware); 721 (Computer Circuits & Logic Elements)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

14/5/3 (Item 3 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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03880466 E.I. No: EIP94061321108

**Title: Conceptual structure and issues for an object-oriented bill of materials (BOM) data model**

Author: Chung, Yunkung; Fischer, Gary W.

Corporate Source: Yuan-Ze Inst of Technology, Taiwan

Source: Computers & Industrial Engineering v 26 n 2 Apr 1994. p 321-339

Publication Year: 1994

CODEN: CINDDL ISSN: 0360-8352

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9408W1

Abstract: One of the most promising concepts in the development of the next generalization of data models is the object-oriented approach. This paper describes a conceptual data model that integrates elements of semantic relationships with object orientation concepts to develop a data model for a Bill of Materials (BOM). The semantic relationships include Referencing, Owns and Composed-Of, as well as their **reversed relationships** Referenced-By, Owned-By, and Part-Of: the object orientation concepts contain features of object-oriented programming such as data abstraction and inheritance. A BOM system is one of major inputs to the planning and control of manufactured products. A product has many part sub-assemblies, which have further subassemblies, and so on. Raw material is represented by ' **leaves** ' of the BOM system. A structure of BOM can be regarded as an abstraction **hierarchy** of an object-oriented data model, and from this point of view, the proposed conceptual BOM data model, named OOBOM, can be mapped onto the abstraction and the inheritance architectures of an object-oriented data model, and implemented in C plus plus language. An application of the OOBOM system is demonstrated for a sample product. (Author abstract) 23 Refs.

Descriptors: Data structures; Object oriented programming; Raw materials; Inventory control; Production control; Computer architecture; Abstracting; C (programming language); **Hierarchical** systems; **Database** systems

Identifiers: Bill of materials; Semantic relationship; Data abstraction; Data inheritance; Object oriented data model

Classification Codes:

723.2 (Data Processing); 723.1 (Computer Programming); 913.4 (Manufacturing); 913.2 (Production Control); 722.4 (Digital Computers & Systems); 723.3 (Database Systems)

723 (Computer Software); 913 (Production Planning & Control); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

14/5/4 (Item 4 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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01235021 E.I. Monthly No: EIM8208-028529

**Title: Conceptual Representation of Data: Tools and Possibility of Realization with the IMS/DB.**

Title: LA RAPPRESENTAZIONE CONCETTUALE DEI DATI: STRUMENTI E POSSIBILITA' DI REALIZZAZIONE CON L' IMS/DB.

Author: Caldiera, G.; Quitadamo, P.

Corporate Source: Italsiel, Italy

Conference Title: Atti, Congresso Annuale - A. I. C. A. (Associazione Italiana per il Calcolo Automatico).

Conference Location: Pavia, Italy Conference Date: 19810923

Sponsor: Assoc Ital per il Calcolo Autom, Italy

E.I. Conference No.: 00485

Source: v 2 p 873-879

Publication Year: 1981

Language: Italian

Document Type: PA; (Conference Paper)

Journal Announcement: 8208

Descriptors: **DATA BASE** SYSTEMS--\*Design

Identifiers: **DATA BASE** DESIGN; CONCEPTUAL GRAPHS; ENTITY-RELATIONSHIP MODELS; PREDICATIVE FORMS; GENERALIZATION **HIERARCHY** ; MODEL

**TRANSPPOSITIONS ; PARENT - CHILD RELATIONS**

Classification Codes:

723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

14/5/6 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01482608 ORDER NO: AADAA-I9613682

**SCALABLE DATA STORAGE IN NETWORKS OF WORKSTATIONS ( DATABASES )**

Author: VINGRALEK, RADEK

Degree: PH.D.

Year: 1995

Corporate Source/Institution: UNIVERSITY OF KENTUCKY (0102)

Director: YURI BREITBART

Source: VOLUME 57/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 475. 112 PAGES

Descriptors: COMPUTER SCIENCE

Descriptor Codes: 0984

Networks of workstations are an emerging architectural paradigm for high-performance parallel and distributed systems. Exploiting networks of workstations for massive data management poses exciting challenges. We identify key principles for development of distributed applications in networks of workstations: dynamic load balancing, dynamic adjustment of number of **nodes** running under the application, cost/performance scalability and explicit control of cost/performance level. Subsequently, we apply these principles in design of distributed file managers on networks of workstations. We concentrate on record-structured files, which are typical for **database** management systems, object **repositories** or multimedia storage systems. A dynamically adaptable set of servers stores the file records in order to scale up the access load generated by a dynamically **changing** set of clients.

We **report** on the design of two file managers, DiFS (Distributed **File Structures** ) and S scNOWBALL (Scalable Storage on Networks Of Workstations with BALanced Load). The DiFS file manager optimizes servers' disk space utilization. This is primarily important to applications dealing with large volumes of data characterized by a low or moderate access frequency (e.g. satellite image archives). The primary advantage of this approach is its "light-weight" load tracking requirement. The S scNOWBALL file manager optimizes servers' disk bandwidth utilization. Consequently, it requires a "heavy-weight" load-tracking mechanism to measure the

frequency of access to the data. This extra load-tracking support enables S scNOWBALL to provide anear-optimal performance in presence of workload with skewed and time-evolving data access patterns. Therefore, S scNOWBALL is particularly appropriate for most high-performance applications.

We present experimental results based on discrete-event simulation models, which demonstrate that both DiFS and S scNOWBALL file managers indeed provide scalable cost/performance and explicitly control the cost/performance level for a wide workload spectrum.

14/5/13 (Item 3 from file: 6)

DIALOG(R)File 6:NTIS

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0163908 NTIS Accession Number: PB-177 682/XAB

**Cobol Extensions to Handle Data Bases**

COBAL Language Subcommittee. Data Base Task Group.

Report No.: COBOL-REV-268

Jan 68 51p

Journal Announcement: USGRDR6809

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A04/MF A01

Culminating the first phase of an effort begun in 1966, the **Data Base** Task Group of CODASYL'S COBOL Language Subcommittee has submitted a comprehensive report to the **parent** committee recommending specified techniques for management of **data bases**. The recommendations are summarized as follows: (1) Store records on mass storage devices in an increased variety of forms which more nearly model the actual use or relationship of one record to another. Some typical structures are **trees**, **hierarchies**, or networks. (2) Find records in the structure with a minimum of procedural effort. (3) Insert records into defined structures. (4) Remove records from structures. (5) Modify the content of records in a structure and cause any required restructuring which the modification may imply (remove the necessity for sorting or merging to accomplish the restructuring). (6) Delete records in a variety of data structures as above. The report recommends that the facility be adopted for declaring master and detail record relationships using circular chains as the means for providing the widest possible file structuring capability. A new section in the language would define these **relationships** to avoid significant **change** to existing COBOL source program rules.

Descriptors: \*Programming languages; Data; Data storage systems; Records; Management planning; Information retrieval; Programming(Computers); Data processing systems; Computer programs; Control sequences; Search theory

Identifiers: COBAL; List processing

Section Headings: 62A (Computers, Control, and Information Theory--Computer Hardware); 88B (Library and Information Sciences--Information Systems)

17/5/1 (Item 1 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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02757629 E.I. Monthly No: EI8907060731

**Title:** Tree -forming reversible routes in communication networks.  
**Author:** Cockburn, Alistair A. R.  
**Corporate Source:** Zurich Research Lab, Rueschlikon, Switz  
**Source:** Computer Networks and ISDN Systems v 16 n 4 Mar 1989 p 267-279  
**Publication Year:** 1989  
**CODEN:** CNISE9 **ISSN:** 0169-7552  
**Language:** English  
**Document Type:** JA; (Journal Article) **Treatment:** A; (Applications); T; (Theoretical)  
**Journal Announcement:** 8907

**Abstract:** Tree -forming reversible routes are characterized by two constraints. The first, a strong form of route uniqueness, states that there may be no more than one route between any pair of **nodes**. The other **constraint** is **reversibility**: if the route from one **node** to a second is described as a sequence of nodes or links, the route from the second to the first must be the reverse sequence. A route-definition procedure is considered in which all consequences of a route selection are computed before the next selection is allowed. General properties and problems of **tree** -forming reversible routing systems are discussed, and an interactive, incremental route definition program is briefly described. (Edited author abstract) 16 Refs.

**Descriptors:** ELECTRIC NETWORKS, COMMUNICATION--\*Topology; MATHEMATICAL TECHNIQUES-- **Trees**; DATA TRANSMISSION--Theory; COMPUTER PROGRAMMING--Algorithms

**Identifiers:** **TREE** -FORMING REVERSIBLE ROUTES; COMMUNICATION NETWORKS; ROUTE SELECTION; ROUTE DEFINITION

**Classification Codes:**

703 (Electric Circuits); 921 (Applied Mathematics); 716 (Radar, Radio & TV Electronic Equipment); 717 (Electro-Optical Communications); 718 (Telephone & Line Communications); 723 (Computer Software)  
70 (ELECTRICAL ENGINEERING); 92 (ENGINEERING MATHEMATICS); 71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

17/5/7 (Item 6 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01481559 ORDER NO: AADAA-INN03526

**INDEXICAL ATTRIBUTE GRAMMARS (ATTRIBUTE GRAMMAR)**

**Author:** TAO, SENHUA

**Degree:** PH.D.

**Year:** 1994

**Corporate Source/Institution:** UNIVERSITY OF VICTORIA (CANADA) (0244)

**Adviser:** WILLIAM W. WADGE

**Source:** VOLUME 57/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 474. 162 PAGES

**Descriptors:** COMPUTER SCIENCE

**Descriptor Codes:** 0984

**ISBN:** 0-612-03526-3

In this dissertation we define a new attribute grammar system--Indexical Attribute Grammars (IAG). In IAG we define attributes over an implicit indexical context space. The indexical context space is a multidimensional space which is the product of a **tree** dimension, a multitime dimension, and an identifier dimension. Attributes on the indexical context space are intensions, whose values vary over different contexts: nodes of a parse **tree**, multitime points, and symbols. Indexical attribute grammars with denotational semantics form a new class of attribute grammars.

Indexical attribute grammars allow non-local attribute **dependencies** by using **node switching** operators. The use of communication attributes can therefore be reduced substantially in indexical attribute grammars.

Indexical attribute grammars can define attributes based on iterative algorithms. The value of an attribute at a node on a given parse **tree** can be defined as a data stream (or a nested data stream for a nested iteration) over the multitime dimension. The value of an attribute at a time point can be viewed as the value of the attribute at a particular step of the iteration. The attributes defined by iterative algorithms are temporal attributes, varying over the multitime dimension. Circular attributes whose evaluation can be terminated can be defined as non-circular but temporal attributes using time switching operators.

In indexical attribute grammars, we can define an aggregate attribute at a node on a given parse **tree** as a collection of values, gathered from other nodes, which varies over the identifier dimension. The information about identifiers can be collected as elements at the corresponding identifier points in the aggregate attribute. An aggregated value in the identifier dimension is not monolithic, its individual elements can be referred to by other attribute definitions through context switching operators.

The attribute evaluation of indexical attribute grammars is based on the tagged demand-driven computation model. The definitions of attributes on a given parse **tree** form a dataflow graph. The evaluation of the attributes on the **tree** is the evaluation of the corresponding dataflow graph. Following the demand-driven method, only the values that are demanded at certain contexts are evaluated.



File 275:Gale Group Computer DB(TM) 1983-2003/Sep 22  
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 File 636:Gale Group Newsletter DB(TM) 1987-2003/Sep 22  
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 File 160:Gale Group PROMT(R) 1972-1989  
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 File 810:Business Wire 1986-1999/Feb 28  
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 File 813:PR Newswire 1987-1999/Apr 30  
     (c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	462557	TREE OR TREES OR HIERARCH? OR (DIRECTORY OR FILE)()STRUCTU- RE? ? OR PARENT()CHILD? ? OR MASTER()SLAVE
S2	2876556	PARENT? ? OR CHILD? ? OR CHILDREN? ? OR LEAF? ? OR LEAVES - OR NODE? ?
S3	314807	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT? OR CONSTRAINT? ?) (5N) (REVERS? OR S- WITCH? OR FLIP???? OR INVERT? OR SWAP???? OR TRANSPOS? OR REO- RDER? OR RE() (ORDER? OR ARRANG?) OR REARRANG? OR EXCHANG?)
S4	275283	(RELATIONSHIP? ? OR RELATE? ? OR RELATION? ? OR DEPENDEN? - OR ASSOCIATION? OR REPORT? OR CONSTRAINT? ?) (5N)CHANG???
S5	54	S1(S)S2(S)S3
S6	107	S1(S)S2(S)S4
S7	1011	S4(5N)S2
S8	49	S1(S)S7
S9	102	S5 OR S8
S10	71	RD (unique items)
S11	49	S10 NOT PD>19990416
S12	500	S3(5N)S2
S13	3246715	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR TABLE? ?
S14	12	S12(S)S13
S15	9	RD (unique items)
S16	599	S1(S)S3
S17	52	S1(S)S3(S)S13
S18	41	RD (unique items)
S19	22	S18 NOT (S11 OR PD>19990416)

11/9/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01933449 SUPPLIER NUMBER: 18267529 (THIS IS THE FULL TEXT)  
**UniQorn 1.0 puts new twists on DTP with good GX tools. (SoftPress Systems' software based on QuickDraw GX technology) (Software Review) (Evaluation)**  
Sellers, Dennis  
MacWEEK, v10, n18, p37(2)  
May 6, 1996  
DOCUMENT TYPE: Evaluation ISSN: 0892-8118 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1676 LINE COUNT: 00142

*No*  
*(drawing frames)*  
*not direct data*

ABSTRACT: SoftPress Systems' UniQorn DTP software offers a flexible, innovative approach whose capabilities make the software worth consideration, despite some flaws. UniQorn is based on Apple's QuickDraw GX technology and the proprietary SoftPress Intelligent Document Architecture. The software uses the same frame-based metaphor as other DTP programs, but it allows users to automatically reformat documents through the use of relative frames. These frames have their size and shape linked to the page shape. After a change in page shape, the relative frames automatically readjust. UniQorn also supports fixed frames, and all frames may hold either text or graphics and can be rotated, mirrored and skewed. UniQorn offers outstanding typographical functions. Its faults include a lack of a grouping function and full color management. UniQorn does not support links between files and cannot import HTML files. It costs \$399 through Jul 1996, after which it costs \$895.

TEXT:

Score card:  
UniQorn 1.0  
SoftPress Systems Ltd.  
List price: \$399\*  
Overall value: 3 (Good)

With UniQorn 1.0, SoftPress Systems has developed a document processor unlike any other. Unsurpassed typographical features, timesaving trapping options and flexible presentation make UniQorn worth serious consideration by designers and publishers. The program suffers from some Version 1 shortcomings, such as the lack of true GX transparency and direct text import from word processors, but if Version 2.0 (slated for a fall release) addresses these issues, UniQorn could easily become a must-have multiple-media processor. Its QuickDraw GX requirements may bother some people, but if you're willing to experiment with GX (which will be rolled into Copland), UniQorn offers some unique capabilities.

Performance: 3 (Good)  
Features: 4 (Very good)  
Ease of use: 3 (Good)  
Documentation/support: 4 (Very good)

\*Introductory price through July 31; list price thereafter, \$895 (\$559 estimated street price). SoftPress Systems' GXpage-layout program takes on the big guns of DTP.

SoftPress Systems Ltd.'s U.S. office in Sausalito, Calif., is at (800) 853-6454; fax (415) 331-4824; support@softpress.com; <http://www.softpress.com>.

Adobe PageMaker and QuarkXPress are the workhorses of the desktop publishing field, but an exotic design program named UniQorn may horn in on their turf. Its flexible presentation and typographical features alone may convince designers and publishers to give this new application some hard drive space alongside the mainstays from Adobe Systems Inc. and Quark Inc.

The United Kingdom's SoftPress Systems Ltd. has built its document processor around Apple's underused QuickDraw GX technology and its own object-oriented SoftPress Intelligent Document Architecture (SPIDA). The result is a different type of publishing application. UniQorn costs \$399 until July 31, after which it will list for \$895.

Flexible presentation

Like XPress, UniQorn uses a frame-based metaphor for page creation. But unlike similar applications, UniQorn provides "flexible presentation,"

which lets you create a document in one format and automatically reformat it in a different size or for a different medium. You can create an advertisement with a landscape orientation for one magazine, then instantly change it to portrait orientation for another publication. You could then mark up your document with HTML tags. By following a few simple rules during reformatting, your document's overall design stays intact as graphics adjust themselves and text reflows automatically.

Flexible presentation is possible because UniQorn views a page as a hierarchy of frames with shapes and sizes that can be either fixed or relative. Fixed frames, common in traditional page-layout programs, and their contents keep the same position and dimensions despite any change to the page shape. Relative frames, however, are tied to the page shape. Change the page shape and the frames change accordingly.

UniQorn, in a new approach, doesn't differentiate between frame types; frames can have many shapes and can hold either text or graphics. Because of its GX roots, all UniQorn frames can be skewed, rotated and mirrored; all contained text remains editable.

UniQorn uses a "child" and "parent" metaphor for creating frames. You can make "children" of existing frames by drawing them within another frame while holding down the Command key; frames can be added to or removed from the **parent - child hierarchy** using the Layout palette. A frame can be parent and **child** simultaneously, and you can **change** a frame's **relationship** in the family **tree**.

Any frame inherits default characteristics - style, color, text attributes and trapping - from its parent, although you can override inherited traits. Making frames children of other frames is optional; the default layout mode has frames relative to the page, as in XPress.

#### Typography

Any GX-based program offers typography of the highest quality. Using GX "smart fonts" with UniQorn lets you automate typographical functions that, before GX, were time-consuming or impossible. You can take advantage of alternate and swash characters, ligature sets, glyph substitution, true-drawn small caps, real fractions, superiors and inferiors, optical alignment, font variations of weight and width axes, and more.

UniQorn and GX, teamed with Apple's WorldScript technology, let you combine multiple languages, even within the same text block. You can also include language settings as part of a style. Hyphenation and spell checking will automatically use the appropriate dictionaries for multilingual text proofing.

Other praiseworthy features in UniQorn include:

- > Interactive style-sheet design. For text composition UniQorn creates and names a new style automatically every time you generate or change text. Styles are posted in a menu list in one of two palettes, and new styles can be applied to other text selections. Previous styles can be inherited and exported to new documents. PageMaker and XPress apply styles only at the paragraph level, using styles as a convenient way to apply text attributes. UniQorn bases all its text compositions on style. This, too, can be a timesaver once you've adapted to this new way of working.

- > Trapping and separation previews. A "live" trapping preview lets you view enlarged traps with either full or partial on-screen color separations. Besides doing automatic trapping, UniQorn actually lets you preview CMYK separations, with trappings, on-screen. UniQorn currently can only trap graphics created from within the application itself or imported from Lari Software Inc.'s LightningDraw GX illustration program.

- > Foreground and background colors. UniQorn accomplishes some interesting effects with frames. Each frame can have a foreground and background color; place text of one color in a frame with a different foreground color and the color of the text automatically changes where it overlaps the foreground color. This feature lets text change color where it overlaps a picture.

- > Resampling graphics. UniQorn lets you resample graphics that have been resized during imports. Enlarge graphics for a more accurate on-screen display; reduce them for efficient memory usage.

On the other hand

Despite its innovative nature, UniQorn stumbles in some areas. There's no simple, direct "grouping" feature, and it doesn't provide links between separate files. Although it has controls for section and page numbering, this release lacks automatic page numbering and automatic generation of

tables of contents. For these reasons, other programs are better for producing long documents.

UniQorn doesn't offer full color management yet. Its implementation of ColorSync provides consistent color control from device to device, but UniQorn's more traditional color tools aren't up to par with those of PageMaker. For instance, there's no one-step method of creating a tint from an existing color.

UniQorn's interface for assigning frame rules may be confusing to some. Also, creating Web documents is hampered by the inability to convert files to either GIF or JPEG, the inability to import HTML files, and the lack of support for HTML columns and tables. This limits a program that could otherwise be a natural for creating Web files.

The lack of direct import translators for popular Mac word processors is another major gap. Currently, your best option is to import text with styling in the RTF format using Easy Open and translators from DataViz Inc. and Claris Corp.

While UniQorn has vastly improved Apple's user interface for accessing GX font features, your mind may boggle at the seemingly endless number of floating palettes. Its GX-rich features and flexible presentation options require some adjusting. Still, experienced desktop publishers, especially XPress users, should adapt quickly to UniQorn's interface.

Diehard GX fans will be disappointed in UniQorn's limited support for transparencies, one of QuickDraw GX's niftiest built-in features. LightningDraw GX and Manhattan Graphics Corp.'s Ready, Set, Go! GX 7.0 (see 08.28.95, Page 27), the other two standard-bearers for GX, let you create transparent colored objects, a process unavailable with either PostScript or traditional QuickDraw. UniQorn limits this feature to text interaction with foreground frame colors.

UniQorn also lacks a system for extending the program with add-ons such as Additions and XTensions. SoftPress said it is eyeing Apple's OpenDoc technology to fill that need, probably before year's end.

Its QuickDraw GX basis may cause some people to unfairly write off UniQorn; GX has an undeserved reputation as a bug-filled memory hog. It's true that GX requires 1.5 Mbytes of RAM, and you'll need at least 12 Mbytes of RAM on a 680x0 Mac or 16 Mbytes on a Power Mac to use UniQorn. However, since GX-based applications incorporate GX's system-level graphics handling, the programs themselves actually use less memory than their counterparts. (UniQorn needs about 1 Mbyte less RAM than either PageMaker or XPress.)

GX developers and users feel GX's memory overhead is a fair trade-off for improved printing, better color matching, easy document portability and other benefits. Additionally, QuickDraw GX 1.1.3 is relatively stable, and Version 1.2 is in the works. QuickDraw GX 2.0, with reduced memory requirements, will be built into the upcoming Copland OS.

Finally, UniQorn 1.0, though relatively stable, crashes occasionally, particularly if you ask it to perform an impossible task. There are also a couple of irritating quirks. For instance, after deleting text, the screen doesn't update properly until you press the Command-tilde keyboard combination to force a screen refresh.

#### Conclusions

UniQorn's flexible presentation feature, typographical richness and trapping options make it a perfect complement to PageMaker and XPress. Version 1 is an innovative twist on the traditional DTP program, and this looks like it could be just the tip of UniQorn's horn. SoftPress has said that the big focus in upcoming versions will be on repurposing - automatic conversion between different output formats, including paper, the Internet and CD-ROMs. If the company successfully refines the program and fixes the shortcomings of this initial release, it may do what other new document processors of recent years couldn't: make the "big two" of Mac DTP the "big three."

11/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02283883 SUPPLIER NUMBER: 54283462 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Compaq Outlines Latest Alpha, Server Roadmap.**

Computergram International, NA

April 5, 1999

ISSN: 0268-716X

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 407

LINE COUNT: 00034

... way IBM uses common components in RS/6000 and AS/400.

The next-generation WildFire servers, likely to be around by year-end, link switched **nodes** through a global **hierarchical switch**. As already **reported**, the 256-CPU design point will be reached in stages with an initial 16-way release followed by 32- way systems, 70-120 CPU capability...

11/3,K/2 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01933449 SUPPLIER NUMBER: 18267529 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**UniQorn 1.0 puts new twists on DTP with good GX tools. (SoftPress Systems' software based on QuickDraw GX technology) (Software Review) (Evaluation)**

Sellers, Dennis

MacWEEK, v10, n18, p37(2)

May 6, 1996

DOCUMENT TYPE: Evaluation

ISSN: 0892-8118

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1676

LINE COUNT: 00142

... children" of existing frames by drawing them within another frame while holding down the Command key; frames can be added to or removed from the **parent - child hierarchy** using the Layout palette. A frame can be parent and **child** simultaneously, and you can **change** a frame's **relationship** in the family **tree**.

Any frame inherits default characteristics - style, color, text attributes and trapping - from its parent, although you can override inherited traits. Making frames children of other...

11/3,K/3 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01848365 SUPPLIER NUMBER: 17516641 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Enforcing data integrity in Visual FoxPro. (FoxPro Developer) (Column) (Tutorial)**

Miller, John M.

Data Based Advisor, v13, n9, p128(3)

Oct, 1995

DOCUMENT TYPE: Column Tutorial

ISSN: 0740-5200

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2076

LINE COUNT: 00171

... keys are also changed, preserving referential integrity between the parent and its children.

The way in which referential integrity is enforced within a database can **change** from **relationship** to **relationship**. Deletions between one **parent - child** relation can be restricted, while deletions between another **parent - child** relationship can be cascaded--as long as referential integrity is enforced between all relationships in the database.

Enforcing referential integrity using FoxPro 2.x

Like...

11/3,K/4 (Item 4 from file: 275)  
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01784940 SUPPLIER NUMBER: 16897703 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Updated Symantec package offers A+ tools for C++ design; version 7.0**  
**manages multiprogrammer projects on many platforms. (Symantec C++**  
**7.0) (includes related article on testing methodology) (Software**  
**Review) (Evaluation)**

Coffee, Peter  
PC Week, v12, n20, p61(3)  
May 22, 1995

DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1444 LINE COUNT: 00118

... see much room for improvement in this aspect of the Symantec package.

Object-programming support

Discussions of this product before its release have emphasized its **Hierarchy** Editor tool, which allows graphical **rearrangement** of class-inheritance **relationships** with automatic adjustments to the corresponding code. This is, without doubt, a wizardly hack, but we greet it with guarded enthusiasm. It seems to us that casual shuffling of **parent - child** connections is a risky proposition, whether the **children** in question are creatures of code or of flesh and blood; we suggest that perhaps this aspect of project design deserves to be well thought...

11/3,K/5 (Item 5 from file: 275)  
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01765503 SUPPLIER NUMBER: 16704856 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The dream teams: 1994 Developers Competition winners.**

Droege, Tom  
Data Based Advisor, v13, n2, p38(7)  
Feb, 1995

ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 5848 LINE COUNT: 00440

... the world - that one UltimaDE application could easily be run in multiple languages. We also added other features, including an automatic cascade update feature for **parent - child relations**, incremental searching, and simple **switching** of the time from AM/PM format to military time format.

The results

Are we happy with the results? You bet. Having

11/3,K/6 (Item 6 from file: 275)  
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01625994 SUPPLIER NUMBER: 14483498 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Intelligent switching hubs: the answer to the LAN bandwidth shortage?**

Lind, Yancy  
Telecommunications, v27, n10, p63(4)  
Oct, 1993

ISSN: 0278-4831 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1605 LINE COUNT: 00135

... the desktop. Multiport bridges and routers are also expensive, both for the devices themselves and for the hubs that are needed to centralize management.

Although **related** to intelligent **switching** hubs, Ethernet **switches** handle internetwork data differently from bridges and routers, which store and forward internetwork communications. Instead, Ethernet

switches stream data: The front end of a data packet **leaves** the switch before the back end enters the switch. Compared to other approaches, the cost is low and the throughput high (although intelligent switching hubs are as fast or faster). Ethernet switches, though, sacrifice many of the features upon which network managers rely, such as subnetting, network redundancy via Spanning **Tree**, users-defined filtering, and packet error checking; these features are only found in intelligent switching hubs. Finally, Ethernet switches are not well-suited to client...

11/3,K/7 (Item 7 from file: 275)  
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01556734 SUPPLIER NUMBER: 14414845 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Report says long-distance, not local exchange, is true monopoly. (includes related article on the AT&T 'threat') (News of the Week)**  
Mason, C.; Wilson, C.  
Telephony, v223, n18, p8(2)  
Nov 2, 1992  
ISSN: 0040-2656 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1036 LINE COUNT: 00084

... point. Developments in microelectronics, fiber optics and radio technologies are bringing to fruition the evolution from a hierarchical structure to a more dispersed form, the **report** says. Expensive **switches** connected by long, cheap wires deployed in the shape of a pyramid evolve to a dispersed structure in which intelligent **nodes** proliferate and are connected along a geodesic, a path of minimum length.

Huber and his coauthors say that the capital-intensive copper-based networks will...

11/3,K/8 (Item 8 from file: 275)  
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01549298 SUPPLIER NUMBER: 13229254 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Bulletin boards. (computer BBSs)**  
Computer Shopper, v12, n12, p765(44)  
Dec, 1992  
ISSN: 0886-0556 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 73106 LINE COUNT: 05573

... with Intel at up to 19,200 bps. Established 06/91; no fee. Stressing the multi-tasking theme (Windows, DESQview, OS/2, etc.) with many **related** files and echoes.

Gulfshores 948-4586. Pleasure Island BBS with sysop John Davenport. 1 line operating on a MS-DOS 80286; 176Mb running WildCat 3...38,400 bps. Established 01/90; no fee. Idle Hour BBS: file-oriented. We have the latest and the best in shareware!

Monsey 426-0729. **Node** 66 East BBS with sysop Brian Buffell. 3 lines operating on a MS-DOS 80386; 1,200Mb running PCBoard 14.5a with US Robotics at...a MS-DOS 80386; 940Mb running Remote Access 1.11 with Generic at up to 9,600 bps. Established 06/89; no fee. Always Free, **node** 2 (889-4437). 50 FidoNet conferences. Very large adult area.

White Plains 428-8230. The Big Easy with sysop Malachi McFarlane. 1 line operating on...

...with CompuCom Star at up to 14,400 bps. Established 05/92; no fee. This BBS is the Telegrad support site for North Carolina. FidoNet **node** 1:379/905.

Lexington 744-6237. Mega-Byte BBS with sysop Michael Love. 1 line operating on a MS-DOS 80486; 3,000Mb running WildCat...

...a MS-DOS 80286; 60Mb running RBBS 17.4 with Microcom at up to 9,600 bps. Established 07/92; no fee. Member of RBBSNet, **node** 8:926/4. Providing technical support for hardware and software, more.

Asheboro 879-5088. Dragon's Lair with sysop Michael Cox. 1 line

operating on...at up to 38,400 bps. Established 02/90; fee of \$25 annually. Over 30 online games/doors, over 1Mb new files added daily! 3 **nodes** /3 computers! 376-8423.

Greensboro 674-6135. Greensboro IBM PB Users Group with sysop unknown. 1 line operating on an unknown running unknown with unknown...

...MS-DOS 8088 with 126Mb running WWIV v4.20e (MOD) with AMT Star at up to 2,400 bps. Established 08/13; no fee. WWIVnet **node** @19955. Message-oriented (64 areas) with large file libraries (over 80Mb).

Raleigh 779-6674. Micro Message Service (MMS) with sysop Michael M. Stroud. 10 lines...with Practical Peripherals at up to 9,600 bps. Established 01/90; no fee. Message-oriented BBS serving all types of computer users. FIITAnet administrative **node** @1000.

Sims 235-4100. An American BBS with sysop Tommy Strickland. 1 line operating on a MS-DOS 8088; 60Mb running TBBS 2.2m with...

...08/90; no fee. WWIVnet, WWIVLink, ICEnet. 3 CD-ROMs onLine. Adult areas available to persons over 18. SoundBlaster.

North Dakota \* 701

Bismark 224-1431. **Node** Dakota with sysop Greg Kautzman. 1 line operating on a MS-DOS 80286; 87Mb running PCBoard 14.5a/E3 with Zoom at up to 2...U with US Robotics at up to 38,400 bps. Established 09/85; fee of \$39 annually. 50,000 files, 6 CD-ROMs online, all **nodes** with USR DS 38400. Large adult conference, 200 game doors.

Cleveland 694-5734. VB/Online Information Service with sysop Charles Stack. 12 lines operating on...

**11/3,K/9 (Item 9 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01260206 SUPPLIER NUMBER: 07211297 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Cross-referencing Pascal and Modula-2 programs. (column)**

Porter, Kent

Dr. Dobb's Journal of Software Tools, v13, n12, p86(9)

Dec, 1988

DOCUMENT TYPE: column LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT;

ABSTRACT

WORD COUNT: 2888 LINE COUNT: 00218

... Sensitive switch.

Report is chiefly a printer control routine that recursively visits the **tree nodes** in order, thus producing an alphabetic listing. It prints the symbol and, in parentheses, the number of occurrences. It then follows the singly linked list associated with the **node**, printing each line number. The Col variable keeps track of the horizontal position and triggers a new line when the current line is full. The...

...needed to track the source line, is pressed back into service to control pagination of the printed output. The Count procedure runs through the symbol **tree** one last time, yielding a symbol count that appears at the end of the report.

One final point: If the comment level is not zero...

**11/3,K/10 (Item 10 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01202476 SUPPLIER NUMBER: 06014090

**Timeplex flaunts T-1 skill: unwraps networking switch, net mgt. system.**

**(product announcement)**

Feldman, Robert

MIS Week, v8, n26, p1(3)

June 29, 1987

DOCUMENT TYPE: product announcement ISSN: 0199-8838 LANGUAGE:

ENGLISH RECORD TYPE: ABSTRACT



...ABSTRACT: Architecture (SCA), the company's strategic scheme for T-1 networking. Timeplex also announces the formation of a new laboratory for developing ISDN gateways and **related** products. The Link-100 **switch** extends the high-end of current T-1 network multiplexing to 144 T-1 circuits per **node**, with the number of possible I-O channels topping out at 15,000. Prices range from \$100,000 to \$850,000 for full configurations, including...

...0 channels. Time-View supports IBM Netview through a Time-View Bridge that will be available in Dec 1987. The system is designed to allow **hierarchical** central and regional control of a user network.

11/3,K/11 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01536730 Supplier Number: 47400844 (USE FORMAT 7 FOR FULLTEXT)  
**Arbor Software Delivers OLAP-Aware Production Reporting Solution with Crystal Info for Essbase; First OLAP-Aware Enterprise Reporting System Delivers Robust, Web-Enabled Production Reporting and Automated Report Scheduling and Distribution.**  
Business Wire, p05210088  
May 21, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 821

... level reports, conditional reports, cross-tab reports and Web-ready reports.

-- OLAP Aware - Crystal Info for Essbase understands all essential OLAP concepts, such as dimensions, **parents**, members, levels and **hierarchies**. **Reports** automatically adapt to **changes** in the Arbor Essbase database without reprogramming. A library of over 20 Arbor Essbase-specific functions is included to control report formatting and processing.  
-- Flexible...

11/3,K/12 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01441329 Supplier Number: 46813362 (USE FORMAT 7 FOR FULLTEXT)  
**Arbor Software to Bundle Crystal Info with Essbase Server; Crystal Info for Essbase Delivers Industry's First OLAP-Aware Enterprise Reporting System.**  
Business Wire, p10210173  
Oct 21, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1428

... level reports, conditional reports, cross-tab reports and Web-ready reports.

-- OLAP Aware - Crystal Info for Essbase understands all essential OLAP concepts, such as dimensions, **parents**, members, levels and **hierarchies**. **Reports** automatically adapt to **changes** in the Essbase database without reprogramming. A library of over 20 Essbase specific functions is included to control report formatting and processing.  
-- Flexible report distribution...

11/3,K/13 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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02504509 Supplier Number: 45033946 (USE FORMAT 7 FOR FULLTEXT)

CHINA: \$500,000,000 TELECOMMUNICATIONS JOINT VENTURE PROJECT, AT&T (USA),  
GUANGDONG PROVINCE POSTS AND TELECOMMUNICATIONS ADMINISTRATIVE BUREAU  
(GPTB) & GUANGDONG MACHINERY IMPORT & EXPORT CORPORATION (CHINA) - Order  
#: 100794

ESP-Report on Engineering Construct & Operations in the Developing World, v  
3, n10, pN/A

Oct, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1137

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...to spread over a 5-year time frame, has been estimated to amount to  
\$500,000,000. Some of AT&T's first shipments will **reportedly** comprise its  
5ESS-2000 **switching**, synchronous digital **hierarchy** transmission,  
digital cross-connect and operations systems and related equipment. AT&T's  
subsidiary, AT&T INTERNATIONAL INC., is involved in the manufacturing of  
telecom...

...other hand, another subsidiary known as AT&T CHINA BUSINESS UNIT  
reportedly has the overall responsibility in both the U.S. and China for  
the **parent** company's business in China, Hong Kong and Taiwan. COPYRIGHT  
(Cr) by ESP Inc. 1994. The data contained in this report may not be  
reproduced...

11/3,K/14 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06289534 Supplier Number: 54455259 (USE FORMAT 7 FOR FULLTEXT)

**Animate your CAD. (creating animations from CAD system to illustrate  
manufacturing designs)**

Gould, Lawrence S.

Automotive Manufacturing & Production, v111, n4, p40(3)

April, 1999

Language: English Record Type: Fulltext Abstract

Document Type: Magazine/Journal; Trade

Word Count: 1837

... upwards of 6,000 parts, the process takes about 10 to 15 minutes.

The IPA user interface consists of several windows that show the  
assembly **tree**, the model, and an animation time grid. In the assembly  
**tree** window, parts and sub-assemblies can be dragged-and-dropped to  
different locations to **change parent - child relationships**. This is  
also the window to set part properties, such as activating or hiding parts,  
and setting visual parameters.

In the model window, users can...

11/3,K/15 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06246704 Supplier Number: 54917838 (USE FORMAT 7 FOR FULLTEXT)

**NuView Inc's ClusterX: Managing NT Clusters. (Windows NT server-cluster  
management software) (Software Review) (Evaluation)**

Hayes, Garrett Michael

ENT, v4, n5, p44

March 10, 1999

Language: English Record Type: Fulltext Abstract

Article Type: Evaluation

Document Type: Magazine/Journal; Professional

Word Count: 882

ABSTRACT:

...the NT Cluster Server. ClusterX manages clusters from any workstation  
and can administer several clusters through one interface, providing

information not offered by CluAdmin. A **tree** -structured list shows user-specified elements, including domains, groups, applications and network interfaces for one cluster or several in multiple domains. Eight tabbed windows display...

...as well as an audit log and 12 predefined reports. The scripted functions for application installation are not as useful as the status information and **reports**, but they still help with **Exchange** Server 5.5 and Internet Information Server. One of the scripts is used to back up and restore configuration information, but it cannot reverse changes...

...for its visualization tools and reports, but its support for installing new applications to a cluster are limited. The program costs \$1,495 per two- **node** cluster. ...

11/3,K/16 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05929575 Supplier Number: 53170967 (USE FORMAT 7 FOR FULLTEXT)  
**CSX's New Labor Pact.**  
GALLAGHER, JOHN  
Traffic World, p44(1)  
Nov 2, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1410

... tool to help lead a culture change." Not that he had all the answers, he said, but he could be a facilitator in trying to **change** the **parent - child relationship** that CSX had inherited.

In the past, if an employee made a mistake, the employee would be pulled out of service by' the manager in...

11/3,K/17 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05448484 Supplier Number: 48259751 (USE FORMAT 7 FOR FULLTEXT)  
**Mid-Range Modeler Review: Part One**  
Martin, Robert  
Computer-Aided Engineering, p66  
Feb, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Academic Trade  
Word Count: 2552

... from a color-coded set of materials for each part.

Path Finder is active in the assembly mode, listing all parts and features and the **parent - child relationships** among them. If **changes** are made in the assembled part, the associativity between parts, drawings, and the assembly file is maintained. You can click on a feature to edit...

11/3,K/18 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04032283 Supplier Number: 45862667 (USE FORMAT 7 FOR FULLTEXT)  
**When ophthalmology is in the bloodline**  
Ophthalmology Times, p18  
Oct 16, 1995  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1672

... s view to the situation. "I think it's great," he said of sharing a practice with his family. But he pointed out that the **parent / child relationship** must **change** so that you become equal partners.

You may have battle through ego problems as you children become older and more competent, Dr. Kraff said. "They...

**11/3,K/19 (Item 6 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

03495699 Supplier Number: 44889290 (USE FORMAT 7 FOR FULLTEXT)  
**OST Gives Vendors A Complex-Data Test: How Object-Oriented, Relational And Object-Relational Databases Handle Images, Voice And More**  
Open Systems Today, p37  
August 1, 1994  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1187

... is currently available, but a programmer could use C to create an audio data type to store and retrieve voice samples.

Empress 'can't quickly **change parent - child relationships**, like object -oriented databases can,' as required in the task of promoting an employee to supervisor on a given project, Lazerowich said. Instead, he'd ...

**11/3,K/20 (Item 1 from file: 160)**  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01005658  
**Musical chairs.**  
Marketing & Media Decisions March, 1984 p. 57,58+

... their bottom line, but the move can be a risk-ridden venture. The networks' constant efforts to upgrade household audience delivery helped to spur the **switches**. The old **parent - child relationship** between networks and affiliates is radically changing as affiliates have more options like ad hoc networks to break the stranglehold the networks have always enjoyed...

**11/3,K/21 (Item 1 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

07476012 SUPPLIER NUMBER: 15603095 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The new age of manageable flexibility.**  
Leonard, Bill  
HRMagazine, v39, n7, p53(2)  
July, 1994  
ISSN: 1047-3149 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 897 LINE COUNT: 00074

The tie between employer and employee is **changing** from a "**parent - child relationship**" to a "partnership" in benefits, said John C. Hickey, a partner with the management consultant group, Kwasha Lipton. This new partnership has evolved from the...

**11/3,K/22 (Item 2 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

07193201 SUPPLIER NUMBER: 15138890 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The Changing American Family - Sociological and Demographic Perspectives.**

**(book reviews)**

Grimes, Paul W.

Southern Economic Journal, v60, n3, p774(2)

Jan, 1994

DOCUMENT TYPE: review

ISSN: 0038-4038

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 879 LINE COUNT: 00073

... present evidence of the significant decline in parental support, financial and non-monetary, that occurs after divorce or marital separation. The authors suggest that dramatic **changes** in the traditional **parent - child relationship** will result as the institution of marriage evolves over time. In a slightly different vein, Arland Thorton offers an interesting study of intergenerational behavioral patterns...

**11/3,K/23 (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

06803111 SUPPLIER NUMBER: 15135108 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Caring for the caregivers: patterns of organizational caregiving.**

Kahn, William A.

Administrative Science Quarterly, v38, n4, p539(25)

Dec, 1993

ISSN: 0001-8392

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 12104 LINE COUNT: 00976

... and validate ("You sound like you handled that well"). What the social worker was most clearly doing, however, was holding her client, much like a **parent** holds a **child**. The social worker was not simply feeding the client information and resources but was also letting her know that she was cared about ("... do something...

...you in mind"), and would continue to reside there ("I'll keep my eye out . . ."). Such holding is endemic to the flow of caregiving within **hierarchical** relationships in their benign recreation of **parent - child relations** (see Josselson, 1992).

**Reverse** flow. This pattern is characterized by **reverse** caregiving in **hierarchical relationships**, with agency subordinates giving unreciprocated care to superiors. This is a classic pattern of caregiving in dysfunctional family systems, in which **parents** abdicate their caregiving responsibilities, draft their **children** into parental roles, and become care-seekers (Minuchin, 1974; Miller, 1981). In this organizational pattern, those charged with directing, coaching, managing, and supervising others do not do so but, instead, are ministered to by their nominal subordinates. **Hierarchical** subordinates consistently witness, support, and safeguard their superiors' role performances and, in doing so, help replenish their superiors' supplies of caregiving while draining their own...

**11/3,K/24 (Item 4 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

06712606 SUPPLIER NUMBER: 14390809 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The Sweetest Fig. (book reviews)**

Publishers Weekly, v240, n35, p93(1)

August 30, 1993

DOCUMENT TYPE: review

ISSN: 0000-0019

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 263 LINE COUNT: 00020

... dentist is a thoroughly unsympathetic character; readers will rejoice when the long-suffering Marcel gobbles the second magic fig and, in a poetically just ending, **reverses** the **master - slave relationship**. The sepia-toned illustrations are classic Van Allsburg, offering a visual

study that is downright psychological; the artwork's spare lines and clean surfaces reflect the obsessively orderly Bibot's nature. Adults will appreciate Van Allsburg's acuity, while many **children** will relish the darker aspects of his story. A significant achievement. All ages. (Oct.)

11/3,K/25 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06510017 SUPPLIER NUMBER: 14413813 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The case for strategic thinking.**  
Suutari, Ray  
CMA - the Management Accounting Magazine, v67, n5, p17(5)  
June, 1993  
ISSN: 0831-3881 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3598 LINE COUNT: 00293

... this with 20 business-team managers now having complete responsibility for the profit performance of its various products.

2. The role of senior management must **change** from the traditional **parent - child relationship** to one of adviser, coach, facilitator and mentor, in order to provide the operating manager with scope for action. The command-and-control attitude, which...

11/3,K/26 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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06506425 SUPPLIER NUMBER: 14346365 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**3-D animation using parent-child relationships. (Multimedia Producer)**  
Berry, Marc  
Computer Pictures, v11, n3, pS23(1)  
May-June, 1993  
ISSN: 0883-5683 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 344 LINE COUNT: 00026

...ABSTRACT: The product intended for WordStar International Inc shows a spinning box sided over by pictures which explodes to reveal a spinning Earth. The use of **parent - child relationships** has enabled the developers to **change** only the **parent** image to modify the attached child object.

11/3,K/27 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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05931870 SUPPLIER NUMBER: 16142600 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Texas family law: changing times, changing laws.**  
Jentz, Gaylord A.  
Texas Business Review, p5(2)  
April, 1992  
ISSN: 0040-4209 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 887 LINE COUNT: 00070

...ABSTRACT: and HIV. There is a 72 hour waiting period between issuance of a marriage license and the ceremony. Property laws have been modified. Laws affecting **children** have undergone the most **changes**. **Parent - child relationship** and **children**'s needs have been addressed. Illegitimate children have more rights and there are more laws on child abuse and child neglect.

11/3,K/28 (Item 8 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

05922002 SUPPLIER NUMBER: 12721249 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Women and the Environment - A Reader: Crisis and Development in the Third World. (book reviews)**  
Nesmith, Cathy  
Journal of Development Studies, v28, n3, p561(2)  
April, 1992  
DOCUMENT TYPE: review ISSN: 0022-0388 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 704 LINE COUNT: 00057

... approach includes reporting what Sahelian women see as important, and assessing the socio-economic effects of environmental degradation such as male migration, marital instability and **changes** in youth - **parent relations**. Desertification projects have to date utilised women's labour extensively, but have not contributed to women's advancement (p. 47). Agarwal, in a comprehensive analysis, outlines the dimensions of deforestation and the fuelwood problem in South Asia, and comments on the effectiveness of various **tree**-planting schemes. She focuses on how socio-economic inequalities interact with fuel scarcity such that the poorest are those who suffer most. Despite the tendency...

11/3,K/29 (Item 9 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

05846841 SUPPLIER NUMBER: 12156853 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Blue Glass. (book reviews)**  
Publishers Weekly, v239, n17, p51(1)  
April 6, 1992  
CODEN: PWEEA DOCUMENT TYPE: review ISSN: 0000-0019  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 209 LINE COUNT: 00016

TEXT:

This strong, thoughtful first novel about a young girl and her **changing relationship** with her **parents** develops with quiet momentum beneath its cool, unadorned surface. Leslie Flynn's pretty mother, Marion, oppresses her adolescent daughter and college professor husband, Dale, with ...

...she makes difficult choices. Simple details point up the family struggle to jettison the past. Before leaving, Dale cuts down Marion's beloved "dead" crabapple **tree** where birds nested, but green shoots reappears. Abject, now more neurotic than ever, Marion compulsively cleans house, hauling memorabilia to the dump. Leslie's growing...  
...last to an affecting vision of her mother's love, which may be "allowed to rest like a great lion in the shade of a **tree** .

11/3,K/30 (Item 10 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

05578971 SUPPLIER NUMBER: 11410438 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Play's the thing for dependency. (touring theater company's anti drug message)**  
Scala, Richard  
Fund Raising Management, v22, n8, p55(3)  
Oct, 1991  
ISSN: 0016-268X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1527 LINE COUNT: 00120

... what we're thinking and feeling because you were saying it."  
Kapito says it's amusing to watch the divergent reactions to "Halfway There" of **children** and their **parents**. "At one point, the kids are leaning forward and the **parents** sitting back. In another portion, it's

reversed . It hits both ways."

Rasch **relates** how a school performance led to a sudden, unexpected **parent - child** rapprochement. "The mother called, asking what her daughter had attended. 'I wish,' she said, 'I had seen that when I was 15.' "...

11/3,K/31 (Item 11 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

05085929 SUPPLIER NUMBER: 09352460 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Is industry ready for adult relationships? Among top executives, optimism abounds about employee involvement and participative management, indicates an Industry Week/Wyatt Co. survey.**

Moskal, Brian S.

Industry Week, v240, n2, p18(5)

Jan 21, 1991

CODEN: IWEEA ISSN: 0039-0895 LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

WORD COUNT: 3276 LINE COUNT: 00266

... fundamental shift in how they do business.

"The survey shows there is a shift away from a traditional management style that is based on a **parent / child** model. The direction of **change** is toward adult/adult **relationships** in the workplace," observes Dr. Gwen Stern, Wyatt's director of organizational research and analysis, Chicago.

Overall, 12% of those surveyed still think that EI...

11/3,K/32 (Item 12 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

04833832 SUPPLIER NUMBER: 08926666 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Managing the Internationalization Process: the Swedish Case. (book reviews)**

Toyne, Brian

Journal of International Business Studies, v21, n3, p508(7)

Fall, 1990

DOCUMENT TYPE: review ISSN: 0047-2506 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3280 LINE COUNT: 00273

... greater influence over the parent's overall strategy. This is important because it provides a "dynamic" to the internationalization process that is predicated on the **changing relationships** between the **parent** and its subsidiaries as determined by such externalities as local network relations, growing resource commitments at the local level, and the need for greater autonomy...

...responsive to expanding local relationships. Thus, the author argues, an analysis of the power within an international firm should not be limited to the formal, **hierarchically** based control exercised by top management. An important point he makes in his analysis is that the dependencies between different units are not always symmetrical...

11/3,K/33 (Item 13 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

04625537 SUPPLIER NUMBER: 09317151 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Realty Executives looks for growth. (People) (company profile)**

Edwards, John

Arizona Business Gazette, v90, n24, p14(2)

June 8, 1990

DOCUMENT TYPE: company profile ISSN: 0273-6950 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1232 LINE COUNT: 00099



... 1987. His father, Dale, is chairman.

His psychology degree came in handy in coping with the shift in control at the company.

"You have to **switch** from a **parent - child relationship** to an adult-adult relationship when you're at work," the young chief executive said.

The biggest challenge now is helping the franchise network grow...

**11/3,K/34 (Item 14 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

04540238 SUPPLIER NUMBER: 08805237 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Child's Play expands into new quarters. (Portland, Oregon toy store wins Playthings' award for departmental design)**  
Playthings, v88, n2, p48(2)  
Feb, 1990  
ISSN: 0032-1567 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 808 LINE COUNT: 00061

... new corner spot, Child's Play erected a cheerful sign with brightly colored animals. The lion and cub would be a dramatic sign of the **parent - child relationship**.

The front entrance was **changed** to double doors placed on the diagonal to take advantage of foot traffic and visibility on the main street.

As customers enter the store, they...

**11/3,K/35 (Item 1 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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02327635 86920868  
**Sustainable high-potential career development: a resource-based view**  
Paul Iles  
Career Development International v2n7 PP: 347-353 1997  
JRNL CODE: CDVT  
WORD COUNT: 5277

...TEXT: and Pemberton, 1995; Herriot and Stickland, 1996; Jenkins and Hendry, 1996).

The old contract is seen to offer employment security as the basis of a **parent - child dependence relationship**. Security and slow promotion are **exchanged** for adequate performance and loyalty. Career management is seen as the company's responsibility, while career development is seen as upwards, along a career ladder...

**11/3,K/36 (Item 2 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01870593 05-21585  
**Constructive destruction: Transformation of Russian state-owned construction enterprises during market transition**  
Suhomlinova, Olga O  
Organization Studies v20n3 PP: 451-484 1999  
ISSN: 0170-8406 JRNL CODE: ORS  
WORD COUNT: 12703

...TEXT: transformation is negatively affected by the SOE's ability to procure resources from the state (as reflected in the enterprise status in the state redistributive **hierarchy**), has an **inverted U-shape relationship** with population density (indicating the influences of

competition and legitimation), and is positively affected by the prior changes of the same and related types (as captured by the prior separations from the **parent** company and the prior leasing arrangement).

Headnote:

Descriptors: Russia, construction industry, state-owned enterprises, organizational change, market reforms  
Introduction

Among many problems posed by market...

11/3,K/37 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01817913 04-68904

**MNCs, technological innovation and regional systems in the EU: Some evidence in the Italian case**

Cantwell, John; Iammarino, Simona

International Journal of the Economics of Business v5n3 PP: 383-408 Nov 1998

ISSN: 0962-1369 JRNL CODE: INJE

WORD COUNT: 9913

...TEXT: to the emergence of regional cores with sectoral specificities varying across different locations. On the other hand, localisation economies are fostered in spatial clusters of **related** firms, where learning dynamics and **exchanges** of tacit knowledge are embedded in a distinct environment of interactions among different subjects. This kind of force is likely to be sector-specific and...

... institutions. By tapping into local knowledge and expertise, foreign affiliates gain a competitive advantage which can be exploited locally and/or transferred back to the **parent** company, enhancing its global technological competence. However, a geographical **hierarchy** of regional centres can be established, as a consequence of the interaction and the intensity of general external economies and localisation economies, which in turn...

... networks can be established by the MNC parent through strategic alliances and collaborations with other MNCs in selected areas of activity. The importance of such **relationships** for mutual **exchanges** of knowledge and information is increasing rapidly (for a review of the indicators, see Archibugi and Iammarino, 1997), but since they do not depend upon...

11/3,K/38 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01512629 01-63617

**Firm growth in transitional economies: Three longitudinal cases from China, 1989-96**

Peng, Mike W

Organization Studies v18n3 PP: 385-413 1997

ISSN: 0170-8406 JRNL CODE: ORS

WORD COUNT: 11037

...TEXT: the central planning system which also featured extensive bargaining and networking, is quite high (Kao 1993; Redding 1990). Moreover, from an institutional perspective, Boisot and **Child** (1988) argued that the persistence of informal relations between economic units in China is the result of the failure of hierarchy and market-based governance structures...

... cultural propensity for Chinese managers to engage in networking

behaviour, the institutional and rational imperatives during the transition further necessitate the extensive reliance on personalized **exchange relationships** to facilitate firm growth (Peng 1994, 1997a; Peng and Heath 1996). Such a rationality-based interpretation is borne out by similar findings on network-based...

11/3,K/39 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01409300 00060287

**Managers As Mentors: Partnerships for Learning**  
Standke, Lin  
Training v34n4 PP: 64 Apr 1997  
ISSN: 0095-5892 JRNL CODE: TBI  
WORD COUNT: 498

TEXT: MANAGERS AS MENTORS: Building Partnerships for Learning

By Chip R. Bell (Berrett-Koehler Publishers, San Francisco, (415) 288-0260, 189 pages, \$2495)

Flattened **hierarchies** and the need for employees to learn new skills continually mean that managers no longer can rely on traditional boss-subordinate **relationships**. They must **exchange** the old model of manager as authority and corporate **parent** for one of leader as supporter, enabler, even partner, contends Chip Bell.

While managers frequently deal with a group, such as a team, the lion...

11/3,K/40 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01374620 00-25607

**The firm as a total institution: Reflections on the Chinese state enterprise**  
Shenker, Oded  
Organization Studies v17n6 PP: 885-907 1996  
ISSN: 0170-8406 JRNL CODE: ORS  
WORD COUNT: 8951

...TEXT: intact.

The Total Institution Metaphor

A number of metaphors have been invoked to describe the unique institutional context in which the CSE operates. Boisot and **Child** (1988) suggested that, in terms of its transactional patterns, the CSE was best understood as a fief, producing a bureaucratic failure which placed it beyond the market versus **hierarchy** dichotomy. Schermerhorn and Nyaw (1991) viewed the CSE as an overlapping system of life and socio-political functions, as well as a business unit. The...

... levels: (a) a political coalition, (b) a socio-political community, (c) an organization where vertical relationships are crucial and (d) an enterprise cultivating non-market **exchange relationships** with its counterparts.

From an institutional perspective, however, the metaphor chosen to describe the CSE should take account of the patterns of domination both between...

11/3,K/41 (Item 7 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)

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01298270 99-47666

**Perception management: The Yasir Arafat transformation**

Edelman, Karen A

Across the Board v33n9 PP: 55-56 Oct 1996

ISSN: 0147-1554 JRNL CODE: CBR

WORD COUNT: 1016

...TEXT: SPF factors.

Another example: In Belgium, drunk driving used to be the cause of 30 percent of young drivers' accidents. How did the Belgian Brewers Association reverse that trend to avoid a government clampdown on beer marketing? Instead of the usual "don't drink and drive" awareness programs, which had proved ineffective, Belgian brewers focused on the issue of parent / child communication. The message was that poor communication between parents and children results not only in drunk driving but also in many other problems. Thus, the brewers reminded parents of the responsibility they had as role models. And they made young people think about the benefits they could gain from an open relationship with their parents, such as more freedom. The result was 11 percent fewer road injuries during the following holidays, no clampdown on beer marketing, and an important perceptual...

11/3,K/42 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01068639 97-18033

**SDRC delivers on Master Series**

Brown, Donald H

Computer-aided Engineering v14n7 PP: 53 Jul 1995

ISSN: 0733-3536 JRNL CODE: CAE

WORD COUNT: 696

...TEXT: for highly flexible editing supporting both solids and surfaces. Feature-based modeling, which supports proper associativity of features with attached surfaces, now works well.

A hierarchy of "sketchpads" and "sketchplanes" enables management of parent - child relationships of features to parts, feature re-ordering, and feature rerouting. Rerouting means groups of features can be associated to different entities without deletion and recreation of geometry. Re-ordering gives users the...

11/3,K/43 (Item 9 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01005730 96-55123

**Marketing to Generation X**

Ritchie, Karen

American Demographics v17n4 PP: 34-39 Apr 1995

ISSN: 0163-4089 JRNL CODE: ADE

WORD COUNT: 3147

...TEXT: Because young adults now remain at home longer, many marketers underestimate their importance as consumers. If marketers have not considered the degree to which the parent - child relationship changes over time, they may not have noticed that many have become "designated decision-makers" for their parents or other relatives. This may be especially true...

11/3,K/44 (Item 10 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)  
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00973177 96-22570

**Managing resistance and the unspoken fears**

Basler, Frank

Journal for Quality & Participation v17n7 PP: 32-35 Dec 1994

ISSN: 1040-9602 JRNL CODE: QCJ

WORD COUNT: 1687

...ABSTRACT: self-starting, innovative, and risk-taking. This can stir up doubts about one's competence, or feelings of vulnerability when routines are broken and old **parent / child**, boss/subordinate **relationships** are rearranged. Recommendations to ease **change** implementation are discussed.  
...TEXT: self-starting, innovative, and risk-taking. This can stir up doubts about one's competence or feelings of vulnerability when routines are broken and old **parent / child**, boss/subordinate **relationships** are rearranged .

Group leaders, supervisors, staff professionals, and managers have their worries about loss of control and possible failure and shame if new work arrangements let things...

11/3,K/45 (Item 11 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00849727 94-99119

**A conceptual structure and issues for an object-oriented bill of materials (BOM) data model**

Chung, Yunkung; Fischer, Gary W

Computers & Industrial Engineering v26n2 PP: 321-339 Apr 1994

ISSN: 0360-8352 JRNL CODE: CIE

...ABSTRACT: develop a data model for a bill of materials (BOM) is described. The semantic relationships include referencing, owns and composed-of, as well as their **reversed relationships** referenced-by, owned-by, and part-of; the object orientation concepts contain features of object-oriented programming such as data abstraction and inheritance. A BOM ...

... inputs to the planning and control of manufactured products. A product has many part sub-assemblies which have further subassemblies. Raw material is represented by **leaves** of the BOM system. A structure of BOM can be regarded as an abstraction **hierarchy** of an object-oriented data model, and from this point of view, the proposed conceptual BOM data model, named object-oriented BOM (OOBOM), can be...

11/3,K/46 (Item 12 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

00532808 91-07152

**Is Industry Ready for Adult Relationships?**

Moskal, Brian S.

Industry Week v240n2 PP: 18-25 Jan 21, 1991

ISSN: 0039-0895 JRNL CODE: IW

WORD COUNT: 3008

...TEXT: fundamental shift in how they do business.

"The survey shows there is a shift away from a traditional management style that is based on a **parent / child** model. The direction of **change** is toward adult/adult **relationships** in the workplace," observes Dr. Gwen Stern, Wyatt's director of organizational research and analysis, Chicago.

Overall, 12% of those surveyed still think that EI...

11/3,K/47 (Item 13 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00448004 89-19791

**Tree-Forming Reversible Routes in Communication Networks**

Cockburn, Alistair A. R.

Computer Networks & ISDN Systems v16n4 PP: 267-279 Mar 1989

ISSN: 0376-5075 JRNL CODE: CNI

ABSTRACT: **Tree** -forming **reversible** routes are characterized by 2 **constraints**. The first is called the **tree** -forming constraint because it implies that the set of routes to each **node** form a **tree** rooted at that **node**; routes are limited to one between each pair of **nodes**. The other **constraint** is **reversibility**, which means that, if the route from one **node** to another is described as a sequence of **nodes** or links, the route from the 2nd to the first must be the reverse sequence. Despite their seeming simplicity, these constraints make route definition nonintuitive...

11/3,K/48 (Item 1 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

00513891 CMP ACCESSION NUMBER: IWK19921109S0593

**LOST ON SPACE**

INFORMATIONWEEK, 1992, n 399, 74

PUBLICATION DATE: 921109

JOURNAL CODE: IWK LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: EXECUTIVE DIGEST

WORD COUNT: 720

... architects of the 1984 Bell system breakup got it backward, according to a report called "The Geodesic Network II." The country no longer has a **hierarchical**, pyramid-shaped network in which expensive switches are connected by long, cheap wires. Instead, developments in microelectronics, fiber optics, and radio technologies have created a public network in which intelligent **nodes** are dispersed throughout. As a result, the local **exchange** market is becoming truly competitive. **Report** Says Long-Distance, Not Local **Exchange**, Is True Monopoly, Charles Mason and Carol Wilson. NEW FRIENDS, OLD PROBLEMS  
Business Week, Nov. 9, p. 114. Karl C. "Casey" Powell, co-founder of  
...

11/3,K/49 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1422900

MNTU033

**National Seminar Addresses Law, Psychology and Child Custody Issues**

DATE: February 16, 1999

15:27 EST

WORD COUNT: 435

... abuses. In many cases, if the price is right, an expert can be brought in to substantiate any number of claims to sway the verdict -- **changing** the **parent - child relationship** forever.

19/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02005284 SUPPLIER NUMBER: 18857679 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Made to order for online catalogs. (iCat's Electronic Commerce Suite 2.1**

**electronic commerce software) (Lab Note) (Software Review) (Evaluation)**

Bethoney, Herb

PC Week, v13, n45, p80(1)

Nov 11, 1996

DOCUMENT TYPE: Evaluation ISSN: 0740-1604

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 876 LINE COUNT: 00075

... always in either GIF or JPEG format.

Products can be arranged in families with as many as five hierarchical sections, allowing online shoppers to find **related** products.

Processing purchases

Commerce **Exchange** is a CGI (Common Gateway Interface) application that processes ICL commands from Web catalog pages and adds transaction processing capabilities to catalogs created with Commerce Publisher.

Commerce Exchange provides **database** searching based on merchant-defined criteria and displays the results as a custom catalog page.

Commerce Exchange also uses CGI applications so online shoppers can...

19/3,K/2 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01828895 SUPPLIER NUMBER: 17238151 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Flexibility, access give RDBMS the edge. (relational database management systems in lab information systems)**

Sherr, Bruce

Health Management Technology, v16, n9, p38(1)

August, 1995

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 566 LINE COUNT: 00050

ABSTRACT: Relational **database** management systems (RDBMS), along with use of open systems standards, are rapidly forming a new core platform technology for lab information systems (LIS). RDBMS provides a number of advantages over older **hierarchal** and proprietary platforms including greater flexibility, easier administration and use and the ease of modifying the LIS. RDBMS delivers unprecedented flexibility allowing users to integrate...

...will work under the open-operating system platform. Information can be retrieved from the RDBMS as individual pieces or in relation to other information illustrating **relationships** between sets of data. Information **exchange** is also simplified by the adoption of open **database** connectivity interfaces. RDBMS is especially useful in labs where clinical information transfer is critical.

19/3,K/3 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01552370 SUPPLIER NUMBER: 13066345 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Forest & Trees 3.0 boosts query, report tools. (Channel Computing Inc.'s executive information system) (Software Review) (PC Week LABS: First**

**Looks) (Evaluation)**

Gallagher, Bob

PC Week, v9, n52, p16(1)

Dec 28, 1992

DOCUMENT TYPE: Evaluation ISSN: 0740-1604

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 813 LINE COUNT: 00063

ABSTRACT: Channel Computing Inc's \$695 Forest & **Trees** 3.0 executive information system (EIS) application development software features many new tools and a simplified user interface. Creating multiple data views is easy, and queries can be built and saved without programming. The new version lets developers use substitution strings to shorten **table** and directory names. Forest & **Trees** 3.0 can automatically create a join between two files within a single query. Reporting functions are powerful and include cross-tabular **reporting**. The product supports Dynamic Data **Exchange** but not Object Linking and Embedding. It can access over 30 data structures on a variety of microcomputers and host systems; 13 data-structure drivers and five **database** server drivers, called 'providers,' ship with the \$795 Client/Server Edition of Forest & **Trees**. The only drawback of Forest & **Trees** is that it does not support indexing for every data structure; only dBASE, Btrieve and Paradox indexes are supported.

19/3,K/4 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01420790 SUPPLIER NUMBER: 10439413 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The next generation. (comparison of fourth-generation and third-generation programming languages)**  
Schaffer, Evan; Wolf, Mike  
UNIX Review, v9, n3, p24(8)  
March, 1991  
ISSN: 0742-3136 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 4750 LINE COUNT: 00407

... the X user interface, and it's easy to show how it can also be used with the existing report generation features of /rdb.

Large **Tables**. Large **tables** are often as easily handled as small **tables**. When working with very large **tables** some form of indexing is desirable: hash, **inverted** sequential secondary, binary (sorted **relations**), or some form of **tree** (linked list).

The shell approach is to use the UNIX director structure as the first (few) levels of tree index. One financial application using /rdb...

19/3,K/5 (Item 5 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01384549 SUPPLIER NUMBER: 08817502 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Relational data base technology reveals fresh potential. (includes related articles on Structured Query Language and on MUMPS)**  
Hellauer, Brian  
Computers in Banking, v7, n8, p22(6)  
August, 1990  
ISSN: 0742-6496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2680 LINE COUNT: 00214

... model that reflects the actual nature of the business, without any of the artificial limitations imposed by VSAM or the implementation problems of a hierarchical **data base**," says Jim Newman, second vice president at Chicago's American National Bank & Trust, with \$4.5 billion in assets. Newman says the bank, which primarily serves middle-market commercial customers, currently has four relational applications in production, for foreign **exchange**, cash management, treasury **reporting**, and marketing.

Developing a program to retrofit applications, though, can be a daunting task. "By and large, banks started with relational data bases in applications...



19/3,K/6 (Item 6 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01369637 SUPPLIER NUMBER: 08761784 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**On-chip RAM and hierarchical routing improve programmable-array flexibility.**

Bursky, Dave

Electronic Design, v38, n13, p35(2)

July 12, 1990

ISSN: 0013-4872

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 747

LINE COUNT: 00059

ABSTRACT: Xilinx Inc has defined a RAM-based programmable logic that uses a configurable logic block (CLB) with three combinatorial function generators, two **flip**-flops and **related** control logic, and a routing scheme with increased flexibility. The logic circuit design includes an optional mode in each CLB that converts the memory lookup **tables** usually used for most logic functions into either a 16-word-by-2-bit or a 32-word-by-1-bit array of read-write...

...cells; accesses of about five and 10 nanoseconds for read and write operations are provided for them, respectively. The LCA4000 array uses a highly symmetrical **hierarchical** interconnection scheme to interconnect the logic and memory. The three main types of connections are those with segments of single-length, double-length or long...

19/3,K/7 (Item 7 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01253061 SUPPLIER NUMBER: 06310780 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Xtend (Xtend Communications) (call-accounting systems and software)**

Luhmann, Rick

Teleconnect, v6, n3, p73(2)

March, 1988

DOCUMENT TYPE: evaluation

ISSN: 0740-9354

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 669

LINE COUNT: 00051

... Band simulation, bar or line graphs, authorization code detail and summary, or search for any given criteria with the frequently called number and universal search **reports**.

Several different **switches** can be tracked from the same micro, each having its own correct **database hierarchy** and tariffs for a specific location. Two different methods to accomplish remote system management are employed.

It's done via polling or through a distributed...

19/3,K/8 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

03592730 Supplier Number: 47437374 (USE FORMAT 7 FOR FULLTEXT)

**Forecasts For PDUFA, FDA "Improvement" Bill**

Marketletter, pN/A

June 2, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Newsletter; Trade

Word Count: 1651

... as will formats for regulatory transmissions. Data will be available under the Freedom of Information Act, she said, with the public able to search the **database** by computer rather than having to make written requests. Terminology for international ADR reporting and maintenance is still up in the air. Possible new ICH...

...include those dealing with Phase IV commitments (how the agency is supposed to follow up on these) over-the-counter oversight on prescription-to-OTC **switches**, and electronic case **report** forms. In development is a MaPP on the classification of New Drug Approvals. Streamlining At Generics Generic division productivity has been sorely pressed, said Dr...  
...FDA improvements and significantly higher user fees linked to high standards and additive-only user fees. He also warned against adding "Christmas ornaments to the **tree**" when these generally-agreed items are incorporated into legislation. Tort reform is not the only issue in IRBs review status for INDs; some IRBs have...

19/3,K/9 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04675211 Supplier Number: 46881136 (USE FORMAT 7 FOR FULLTEXT)  
**Made to order for online catalogs**  
PC Week, p80  
Nov 11, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Tabloid; General Trade  
Word Count: 829

... always in either GIF or JPEG format.  
Products can be arranged in families with as many as five hierarchical sections, allowing online shoppers to find **related** products.  
Processing purchases  
Commerce **Exchange** is a CGI (Common Gateway Interface) application that processes ICL commands from Web catalog pages and adds transaction processing capabilities to catalogs created with Commerce Publisher. Commerce Exchange provides **database** searching based on merchant-defined criteria and displays the results as a custom catalog page.  
Commerce Exchange also uses CGI applications so online shoppers can...

19/3,K/10 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

03720593 Supplier Number: 45273487  
**Nokia Corporation - Company Report**  
Investext, p1-12  
Jan 18, 1995  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...demand in wireless infrastructure equipment, wireline products within Nokia's Telecommunications Division are expected to show solid growth. These products include Synchronous Digital **Hierarchy** (SDH) multiplexers and digital **switches**.  
**Tables in report**: Stock Price, Earnings Data & Rating 1994-96; Operating Margin Data 1993-94; Profits Compared By Cos. 1994; Companies Mentioned; Earnings Model 1989-96; Balance Sheet...

19/3,K/11 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11587259 SUPPLIER NUMBER: 55587778 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The False Focus in Online Searching.**  
Kennedy, Lynn; Cole, Charles; Carter, Susan  
Reference & User Services Quarterly, 38, 3, 267  
Spring, 1999

ISSN: 1094-9054      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 5324      LINE COUNT: 00435

... 25) The user then can make the choice to broaden the search term, narrow it, or switch over to a related term and explore that **hierarchy**. The user accesses the documents in the **database** by clicking on the desired term in the cone, returning to the cone if the documents under that search term are found not to be...

**19/3,K/12      (Item 2 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11582989      SUPPLIER NUMBER: 55208498      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Exchange and capital controls as barriers to trade.**  
Tamirisa, Natalia T.  
International Monetary Fund Staff Papers, 46, 1, 69(2)  
March, 1999  
ISSN: 0020-8027      LANGUAGE: English      RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 6644      LINE COUNT: 00618

... presentation of the IMF's Annual Report on Exchange Arrangements and Exchange Restrictions identifies 142 individual types of exchange and capital control. These are aggregated **hierarchically** into 16 categories; these categories are aggregated into indices, which measure the extent of exchange and capital controls ( **Table** 1). The index of controls on current payments and transfers includes exchange controls pertaining

**19/3,K/13      (Item 3 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06432706      SUPPLIER NUMBER: 13689438      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**SNMP travels across the great divide. (proposals for updated version of Simple Network Management Protocol) (includes related articles)**  
Communications International, v20, n2, p58(3)  
Feb, 1993  
ISSN: 0305-2109      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 2709      LINE COUNT: 00216

... DEVELOPMENTS -- SNMPv2  
SNMPv2 comprises numerous enhancements to the SNMP processing engine, plus several new Protocol Data Units (PDUs).  
\* Currently, when traversing objects in a MIB **tree**, a user inputs the GetNext command which produces data on each object in turn. There is no way of knowing how large the **tree** is. GetBulk in SNMPv2 aims to provide more efficient retrieval of bulk data, such as large **tables**. It allows, in effect, a sequence of GetNext operations to be combined into a single request/response **exchange** -- management stations can obtain **reports** from agents about a range of variables without having to issue repeated requests.  
\* The number of detectable error types is extended to 17.  
\* MIB semantics...

**19/3,K/14      (Item 1 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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02494995 116351396  
**Logistics, strategy and structure A conceptual framework**  
Stock, Gregory N; Greis, Noel P; Kasarda, John D  
International Journal of Physical Distribution & Logistics Management  
v29n4 PP: 224 1999  
ISSN: 0960-0035 JRNL CODE: IPD  
WORD COUNT: 6943

...TEXT: in the literature that can characterize this dimension. Control or power relates to the extent to which one firm can influence other firms in a **relationship**. Information **exchange** relates to the extent to which firms in a relationship share information regarding production processes, technology, or costs. Interdependence refers to the degree to which the...

... to which objectives are complementary or supportive. Formality is the extent to which transactions between firms are governed by formal contracts or informal arrangements. In **Table I**, we have summarized from the literature the expected differences between markets, networks, and **hierarchies** along these dimensions. From an operational perspective, a firm would exhibit network structure to the extent that it corresponds to the "ideal" description characterized by the "Network" column in **Table I**. We also consider in our conceptualization of structure the geographic dispersion of the manufacturing enterprise. Geographic dispersion, in this framework, refers to the extent...

19/3,K/15 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01494399 01-45387  
**Implicit theories, self-schemas, and leader-member exchange**  
Engle, Elaine M; Lord, Robert G  
Academy of Management Journal v40n4 PP: 988-1010 Aug 1997  
ISSN: 0001-4273 JRNL CODE: AMA  
WORD COUNT: 8532

...TEXT: Tests of Hypotheses

We tested hypotheses using correlations and hierarchical regression analysis. Hypotheses 1a and 1b predicted that liking would have a positive effect on **exchange relationships** as assessed from the perspectives of both supervisors and subordinates. As **Table 1** shows, for both supervisors' and subordinates' ratings of LMX quality, liking for the other dyad members had a very strong **association** with rated leader-member-**exchange** quality. Supervisors' liking of subordinates was significantly correlated with their LMX ratings ( $r_{sub\ 74} = .88, p < .001$ ), and subordinates' liking of supervisors was correlated...

19/3,K/16 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01169763 98-19158  
**Gale introduces SUPERLCCS on CD-ROM**  
Anonymous  
Information Today v13n2 PP: 27 Feb 1996  
ISSN: 8755-6286 JRNL CODE: IFT  
WORD COUNT: 315

...TEXT: term, by class letter or number, or by a combination of terms and letters. Users can view a retrieved class number and caption within its **hierarchy** by indention, can move up or down a **hierarchy**, or scroll at a determined **hierarchy** level. Hyperlinks provide quick access to necessary **tables** and to formerly valid numbers and allow **switching** between **related** numbers (such as those in Confer notes) to select the best class number.

Users can move quickly and nonsequentially from one part of the data...

19/3,K/17 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00904599 95-53991

**Coordination of information technology management: Team-based structures and computer-based communication systems**

DeSanctis, Gerardine; Jackson, Brad M

Journal of Management Information Systems: JMIS v10n4 PP: 85-110 Spring 1994

ISSN: 0742-1222 JRNL CODE: JMI

WORD COUNT: 9571

...TEXT: accomplish tasks collectively [38]. We can think of coordination as taking place in one of two general directions, either vertically (up and down the management **hierarchy**, that is, within one unit) or horizontally (across the management **hierarchy**, that is, among units) [3]. In hybrid forms of IT management, horizontal coordination is the major concern: linking together the IT activities of otherwise independent...

... direct reporting relationships with a central IT unit (which means they are accountable in some way to corporate IT), indirect relationships (also called dotted-line **relationships**, which means dispersed IT units **exchange** information with corporate IT but have no obligation to comply with IT directives), or voluntary relationships (which means the dispersed units participate on an ad teams. A summary of structural design approaches for horizontal IT coordination is given in **Table 1.(2)** (**Table 1** omitted)

Cross-functional teams represent the most comprehensive structural approach a horizontal IT coordination because the team is permanent (in contrast to a task...

19/3,K/18 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00887671 95-37063

**Leader-follower exchange quality: The role of personal and interpersonal attributes**

Phillips, Antoinette S; Bedeian, Arthur G

Academy of Management Journal v37n4 PP: 990-1001 Aug 1994

ISSN: 0001-4273 JRNL CODE: AMA

WORD COUNT: 4274

...TEXT: leader-member exchange level ( $r = .26$  for both) and thus were retained for further analysis.

To this end, follower-reported leader-member exchange level was **hierarchically** regressed on the six identified covariates and the retained independent variables. **Table 2** shows the resulting main effects, reporting individual beta weights with their standard errors. (**Table 2** omitted) The beta weights provide a rough estimate of the relative contributions of the independent variables in predicting LMX level. Both attitudinal similarity ( $b = .27$ ,  $p < .05$ ) and introversion/extraversion ( $b = .23$ ,  $p < .05$ ) were significantly **related** to follower-**reported** leader-member **exchange** level.

**DISCUSSION**

This study examined four personal or interpersonal attributes (leader-perceived follower attitudinal similarity, follower introversion/extraversion, follower locus of control, and follower growth ...

19/3,K/19 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00788021 94-37413

**Governance in exchange: Contract law and its alternatives**

Gundlach, Gregory T; Achrol, Ravi S

Journal of Public Policy & Marketing v12n2 PP: 141-155 Fall 1993

ISSN: 0743-9156 JRNL CODE: JMP

WORD COUNT: 10824

...TEXT: H sub 1 hypothesized that exchange relationships in uncertain environments manifest a greater degree of legal contracts containing elements that simulate the operation of a **hierarchy**. Comparison of manufacturer and distributor contracts across the two experimental conditions indicates a significantly ( $F = 4.64$ ,  $p < .04$ ) higher mean number of supplemental terms referencing future conduct in the uncertain ( $X = .88$ ) than certain ( $X = .19$ ) environment ( **Table 6**). These results provide support for H sub 1 .

In general the results are consistent with the prescriptions advanced by transaction cost economics [Williamson 1985...

**19/3,K/20 (Item 7 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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00606970 92-22073

**Methodology for Schema Translation from Hierarchical or Network into Relational**

Fong, J. S. P.

Information & Software Technology v34n3 PP: 159-174 Mar 1992

ISSN: 0950-5849 JRNL CODE: DTP

ABSTRACT: Large organizations have many **databases** and **database** management systems (DBMS). Within these organizations, there is an increasing need for data to be converted from one DBMS to another and for the data...

... DBMSs to be integrated. A method of translating from a nonrelational to a relational schema is described. This translation is becoming increasingly popular because relational **database** technology is proving more user-friendly and adaptable. The methodology uses **reverse** engineering to extract entities and **relationships** into an extended entity-relationship model from the semantics of a **hierarchical** or network schema. The logical equivalence of the translated relational schema with the **hierarchical** or network schema is validated by verifying the preservation of the functional and inclusion **dependencies** in the schemas. A **reverse** translation to recover the original **hierarchical** or network schema is also used to validate the translation. ...

**19/3,K/21 (Item 8 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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**1st Class: Expert-System Builder Able to Write the Rules for Novices**

Siegel, Paul

InfoWorld v9n28 PP: 58-61 Jul 13, 1987

ISSN: 0199-6649 JRNL CODE: IFW

...ABSTRACT: making it easy for even nonprogrammers to use. Its distinguishing feature is its ability to find hidden patterns in data, and it allows individual decision **trees** to be chained together to build larger knowledge bases. Other features include 4 types of induction processes to build rules or decision **trees**, a superb developer interface, and the capacity to link a knowledge base with other programs. The program can handle **tables** containing up to 255 examples, but it cannot handle "if-then" **relations**. Its one-key menu **switching** and module editing, however, account for a fast operation speed. Although the program lacks modular rules capability, it is easy to learn because users do...

19/3,K/22 (Item 9 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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**Data Base Systems: Design, Implementation, and Management, Part I**

Ross, Ronald G.

Computerworld v12n21 PP: 17-23 May 22, 1978

ISSN: 0010-4841 JRNL CODE: COW

ABSTRACT: In this first of a series, **data base** management systems (DBMS) are discussed in depth with regard to design, implementation, and management. Mainframe data management software is classified into 4 groups. Each represents qualitatively different approaches to the problem of data management. The 4 are: 1. physically linked DBMS ( **hierarchical** and network data structures), 2. **Inverted** DBMS (with support for interfile **relation** ), 3. **Inverted** DMS (without support for interfile **relation** ), and 4. file-pass DMS (sophisticated report generation). Definitions for DBMS ( **data base** management system) and DMS ( **data base** system) are also presented. Similarities and differences among the 4 classifications are presented, along with various advantages and disadvantages that exist. Special relationships are pictured...